

Table 2. Approximate λ_{\max} values of cone visual pigments, where known, in different bird species.

Order	Species name	Common name	Visual pigment λ_{\max} (nm)				References
			SWS1	SWS2	RH2	LWS	
Anseriformes	<i>Anas platyrhynchos</i>	Mallard duck	415	452	506	567	51
Anseriformes	<i>Anas platyrhynchos dom.</i>	Aylesbury duck	415	449	501	570	51
Anseriformes	<i>Anas platyrhynchos dom.</i>	Khaki Campbell duck	426	456	501	570	51
Ciconiiformes	<i>Puffinus pacificus</i>	Wedge-tailed shearwater	406	450	503	566	94
Ciconiiformes	<i>Puffinus puffinus</i>	Manx shearwater	402	452	—	—	95
Ciconiiformes	<i>Phalacrocorax carbo</i>	Common cormorant	405*	—	—	—	68
Ciconiiformes	<i>Spheniscus humboldti</i>	Humboldt penguin	403	450	—	543	79
Columbiformes	<i>Columba livia</i>	Pigeon	*404 (393)	452	506	566	95,96
Galliformes	<i>Coturnix coturnix japonica</i>	Japanese quail	418	450	505	567	97
Galliformes	<i>Gallus gallus dom.</i>	Chicken	*418 (419)	453	507	571	68,95
Galliformes	<i>Meleagris gallopavo</i>	Turkey	420	460	505	563	98
Galliformes	<i>Pavo cristatus</i>	Peafowl	424	458	505	567	99
Passeriformes	<i>Amadina fasciata</i>	Cutthroat finch	370	447	500	563	100
Passeriformes	<i>Corvus frugilegus</i>	Rook	—	—	497	565	101
Passeriformes	<i>Dolichonyx oryzivorus</i>	Bobolink	372, 403	—	505	564	83
Passeriformes	<i>Erythrura gouldiae</i>	Gouldian finch	370	440	500	562	100
Passeriformes	<i>Leothrix lutea</i>	Red-billed leothrix	355	454	499	568	102
Passeriformes	<i>Lonchura maja</i>	White-headed munia	373	446	500	562	100
Passeriformes	<i>Neochmia modesta</i>	Plum-headed finch	373	442	500	565	100
Passeriformes	<i>Parus caeruleus</i>	Blue tit	372	449	502	563	103
Passeriformes	<i>Passer domesticus</i>	House sparrow	—	445	503	563	59
Passeriformes	<i>Serinus canaria</i>	Canary	363	440	501	567	61
Passeriformes	<i>Stumus vulgaris</i>	Starling	362	449	504	563	104
Passeriformes	<i>Taeniopygia guttata</i>	Zebra finch	*359 (359)	*427 (440)	*505 (505)	*566 (560)	57,95
Passeriformes	<i>Turdus merula</i>	Blackbird	373	454	504	557	103
Psittaciformes	<i>Melopsittacus undulatus</i>	Budgerigar	*371 (360)	440	499	566	68,95
Strigiformes	<i>Strix aluco</i>	Tawny owl	—	463	503	555	105
Struthioniformes	<i>Rhea americana</i>	Rhea	—	447	506	571	106
Struthioniformes	<i>Struthio camelus</i>	Ostrich	405	445	506	570	106
Tinamiformes	<i>Nothoprocta cinerascens</i>	Brushland tinamou	—	—	—	564	107
Tinamiformes	<i>Nothoprocta perdicaria sanborni</i>	Chilean tinamou	—	—	—	566	107

Pigments where partial or complete opsin sequence is available are shown in bold

*In parentheses, obtained using spectrophotometric measurements of reconstituted, in vitro expressed opsin protein.