

Converting Colors

`RYB(98, 177, 232)`

Have a look what the booklet for
RYB(98, 177, 232) contains.

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Color

R_YB(98, 177, 232)

Conversions

Conversions Part 1

Format	Color
Hex	62E8BF
RGB	98, 232, 191
RGB Percent	38%, 91%, 75%
CMY	0.6157, 0.0902, 0.2498
CMYK	0.58, 0.00, 0.18, 0.09
HSL	162°, 74%, 65%
HSV	162°, 58%, 91%
XYZ	43.3297, 64.0843, 59.5442
YIQ	187.2600, -66.7030, -41.1590

Conversions

Conversions Part 2

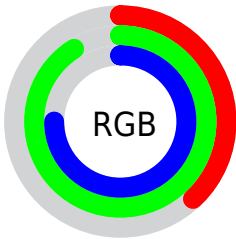
Format	Color
RYB	98, 177, 232
Decimal	6482111
CIELab	84.01, -46.26, 8.88
CIELCh	84, 47.105, 169.136
Yxy	64.0843, 0.2595, 0.3838
Android (android.graphics.Color)	4284672191 (0xFF62E8BF)
YUV	187.2600, 1.8438, -78.2810
Hunter-Lab	80.0527, -43.4765, 11.9362

Details

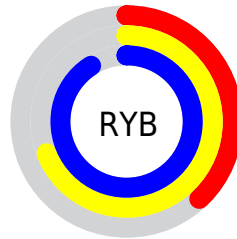
The RYB color **98, 177, 232** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **232, 98, 139**, and the grayscale version is **187, 187, 187**.

A 20% lighter version of the original color is **159, 209, 255**, and **17, 107, 176** is the 20% darker color. If you saturate the color by 10%, you get **75, 168, 232**, and if you desaturate by 10%, it is **121, 187, 232**.

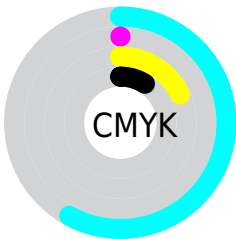
Distribution



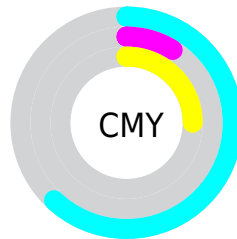
- Red (38%)
- Green (91%)
- Blue (75%)



- Red (38%)
- Yellow (69%)
- Blue (91%)



- Cyan (58%)
- Magenta (0%)
- Yellow (18%)
- Black (9%)




















- Cyan (62%)
- Magenta (9%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the RYB color 98, 177, 232 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 98, 177, 232 by changing the saturation by 10% instead.


 98, 177, 232	 98, 177, 232
 255, 255, 255	 65, 145, 203
 159, 209, 255	 17, 107, 176
 189, 222, 255	 0, 84, 148
 219, 237, 255	 0, 71, 122
 249, 252, 255	 0, 57, 96
	 0, 44, 71
	 0, 33, 48
	 0, 23, 23
	 0, 0, 0

 98, 177, 232


 98, 177, 232

 75, 168, 232


 121, 187, 232


 52, 158, 232

 144, 196, 232

 28, 148, 232

 168, 206, 232

 5, 139, 232

 191, 215, 232

 0, 137, 232

 214, 224, 232

 237, 232, 234

 255, 232, 241

 255, 232, 248

 255, 232, 255

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



150, 226, 217



98, 177, 232



0, 117, 237

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



98, 177, 232



190, 202, 255



255, 212, 144

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



98, 177, 232



232, 98, 139

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 176, 183



98, 177, 232



249, 188, 255

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



98, 177, 232



111, 173, 255



255, 176, 228



206, 252, 122

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



98, 177, 232



0, 121, 255



255, 176, 228



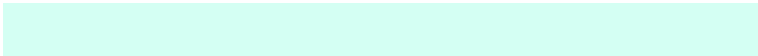
255, 191, 156

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



98, 177, 232



212, 237, 255



98, 232, 190



102, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 177, 232



79, 183, 255



98, 158, 232



103, 110, 115



0, 106, 179



0, 30, 51

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



232, 98, 139



255, 79, 133



232, 129, 98



115, 103, 107



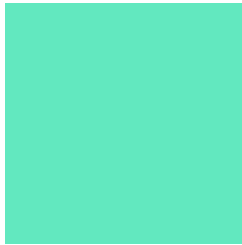
179, 0, 54



51, 0, 15

Previews

White Background



This preview shows how the RYB color 98, 177, 232 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 98, 177, 232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

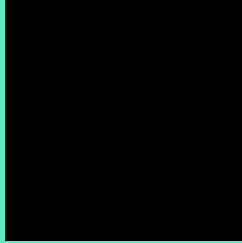
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 98, 177, 232 Background



This preview shows how black text looks on a background with the RYB color 98, 177, 232.

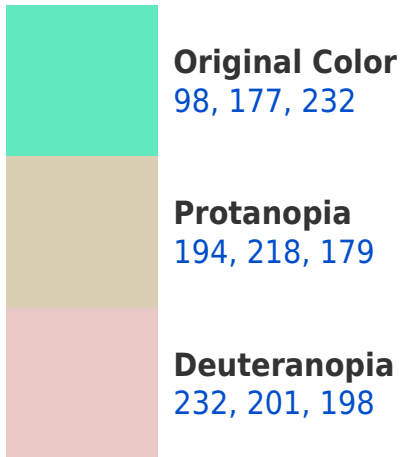



This preview shows how white text looks on a background with the RYB color 98, 177, 232.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
116, 175, 243

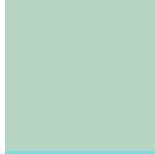
Trichromacy



Original Color
98, 177, 232



Protanomaly
174, 209, 216



Deuteranomaly
183, 203, 212

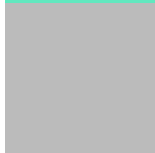


Tritanomaly
109, 170, 228

Monochromacy



Original Color
98, 177, 232



Achromatopsia
187, 187, 187



Achromatomaly
155, 183, 203

CSS Examples

Text

The CSS property to change the color of the text to RYB 98, 177, 232 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(98, 232, 191)` looks like.

```
.text, #text, p{  
    color:rgb(98, 232, 191)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(98, 232, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 232, 191) }
```

Border

The CSS property to change the border of an element to RYB 98, 177, 232 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(98, 232, 191) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(98, 232, 191) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(98, 232, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 232, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 232, 191);  
box-shadow:4px 4px 4px 4px rgb(98, 232,  
191) }
```

Background

The CSS property to change the background color of an element to RGB 98, 177, 232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 232, 191) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(98, 232,  
191) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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