

Converting Colors

`RYB(98, 193, 240)`

Have a look what the booklet for RYB(98, 193, 240) contains.

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Color

R_YB(98, 193, 240)

Conversions

Conversions Part 1

Format	Color
Hex	62F0A8
RGB	98, 240, 168
RGB Percent	38%, 94%, 66%
CMY	0.6157, 0.0588, 0.3402
CMYK	0.59, 0.00, 0.30, 0.06
HSL	150°, 83%, 66%
HSV	150°, 59%, 94%
XYZ	43.2885, 67.7534, 47.9655
YIQ	189.3340, -61.5200, -52.4960

Conversions

Conversions Part 2

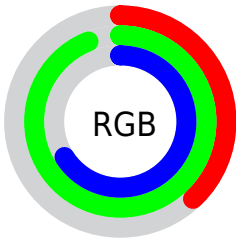
Format	Color
RYB	98, 193, 240
Decimal	6484136
CIELab	85.88, -54.46, 23.48
CIELCh	86, 59.304, 156.674
Yxy	67.7534, 0.2722, 0.4261
Android (android.graphics.Color)	4284674216 (0xFF62F0A8)
YUV	189.3340, -10.5177, -80.0999
Hunter-Lab	82.3125, -50.1728, 23.0690

Details

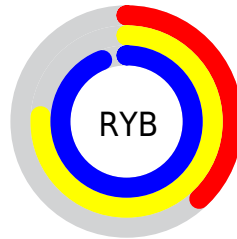
The RYB color **98, 193, 240** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **240, 98, 170**, and the grayscale version is **190, 190, 190**.

A 20% lighter version of the original color is **159, 217, 255**, and **13, 119, 183** is the 20% darker color. If you saturate the color by 10%, you get **74, 185, 240**, and if you desaturate by 10%, it is **122, 201, 240**.

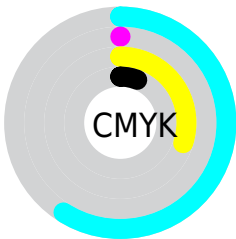
Distribution



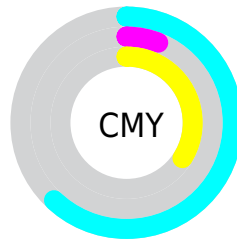
- Red (38%)
- Green (94%)
- Blue (66%)



- Red (38%)
- Yellow (76%)
- Blue (94%)



- Cyan (59%)
- Magenta (0%)
- Yellow (30%)
- Black (6%)









- Cyan (62%)
- Magenta (6%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the RYB color 98, 193, 240 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, 193, 240 by changing the saturation by 10% instead.


 98, 193, 240	 98, 193, 240
 255, 255, 255	 64, 160, 211
 159, 216, 255	 13, 119, 183
 189, 223, 255	 0, 98, 155
 220, 238, 255	 0, 84, 128
 250, 253, 255	 0, 71, 102
	 0, 60, 77
	 0, 53, 53
	 0, 29, 29
	 0, 0, 0

 98, 193, 240


 98, 193, 240

 74, 185, 240


 122, 201, 240

 50, 177, 240


 146, 209, 240

 26, 169, 240

 170, 217, 240

 2, 161, 240

 194, 225, 240

 0, 160, 240

 218, 233, 240

 242, 240, 241

 255, 240, 253

 255, 240, 255

Harmonies

Analogous

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



121, 231, 175



98, 193, 240



0, 126, 243

Triad

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



98, 193, 240



142, 187, 255



255, 186, 151

Complementary

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



98, 193, 240



240, 98, 170

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, 167, 204



98, 193, 240



236, 195, 255

Square

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



98, 193, 240



0, 121, 255



255, 175, 255



211, 255, 111

Rectangle

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



98, 193, 240



0, 124, 255



255, 175, 255



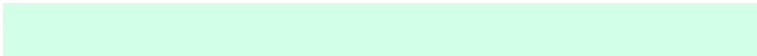
255, 172, 167

Sweetspot

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



98, 193, 240



209, 240, 255



98, 240, 167



99, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



98, 193, 240



74, 195, 255



98, 170, 240



108, 116, 120



0, 123, 184



0, 37, 56

Inverse Universe

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



240, 98, 170



255, 74, 165



240, 98, 100



120, 108, 114



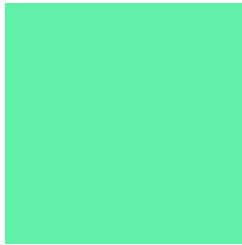
184, 0, 93



56, 0, 28

Previews

White Background



This preview shows how the RYB color 98, 193, 240 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, 193, 240 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](#).

R Y B 98, 193, 240 Background



This preview shows how black text looks on a background with the RYB color 98, 193, 240.

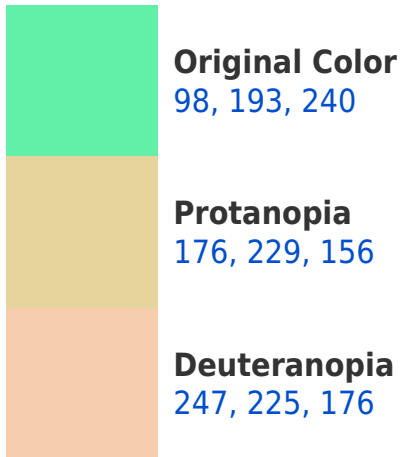



This preview shows how white text looks on a background with the RYB color 98, 193, 240.

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
123, 181, 248

Trichromacy



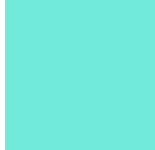
Original Color
98, 193, 240



Protanomaly
160, 223, 202



Deuteranomaly
173, 218, 198



Tritanomaly
114, 178, 234

Monochromacy



Original Color
98, 193, 240



Achromatopsia
189, 189, 189



Achromatomaly
156, 191, 208

CSS Examples

Text

The CSS property to change the color of the text to RYB 98, 193, 240 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, 240, 168)` looks like.

```
.text, #text, p{  
    color:rgb(98, 240, 168)  
}
```

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, 240, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 240, 168) }
```

Border

The CSS property to change the border of an element to RYB 98, 193, 240 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, 240, 168) }
```

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

```
.border{ border-color:rgb(98, 240, 168) }
```

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

Here you see how a box with a 4 pixel rgb(98, 240, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 240, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 240, 168);  
box-shadow:4px 4px 4px 4px rgb(98, 240,  
168) }
```

Background

The CSS property to change the background color of an element to RGB 98, 193, 240 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 240, 168) }
```

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

```
.background{ background-color: rgb(98, 240,  
168) }
```

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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