

Converting Colors

`RYB(98, 170, 242)`

Have a look what the booklet for
RYB(98, 170, 242) contains.

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Color

R_YB(98, 170, 242)

Conversions

Conversions Part 1

Format	Color
Hex	62F2F2
RGB	98, 242, 242
RGB Percent	38%, 95%, 95%
CMY	0.6157, 0.0510, 0.0510
CMYK	0.60, 0.00, 0.00, 0.05
HSL	180°, 85%, 67%
HSV	180°, 60%, 95%
XYZ	52.8161, 72.5117, 95.2169
YIQ	198.9440, -85.8240, -30.5280

Conversions

Conversions Part 2

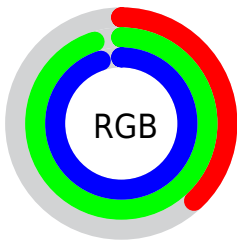
Format	Color
R _Y B	98, 170, 242
Decimal	6484722
CIE Lab	88.21, -38.13, -11.58
CIE LCh	88, 39.851, 196.887
Yxy	72.5117, 0.2395, 0.3288
Android (android.graphics.Color)	4284674802 (0xFF62F2F2)
YUV	198.9440, 21.2266, -88.5279
Hunter-Lab	85.1538, -38.3056, -6.6889

Details

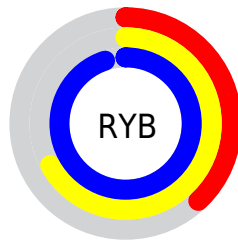
The RYB color **98, 170, 242** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **242, 98, 98**, and the grayscale version is **199, 199, 199**.

A 20% lighter version of the original color is **162, 209, 255**, and **0, 93, 186** is the 20% darker color. If you saturate the color by 10%, you get **74, 158, 242**, and if you desaturate by 10%, it is **122, 182, 242**.

Distribution



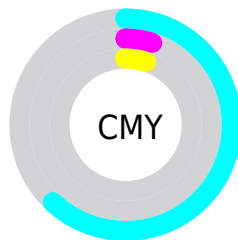
- Red (38%)
- Green (95%)
- Blue (95%)



- Red (38%)
- Yellow (67%)
- Blue (95%)



- Cyan (60%)
- Magenta (0%)
- Yellow (0%)
- Black (5%)



















- Cyan (62%)
- Magenta (5%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the RYB color 98, 170, 242 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, 170, 242 by changing the saturation by 10% instead.


 98, 170, 242	 98, 170, 242
 255, 255, 255	 61, 137, 214
 162, 209, 255	 0, 93, 186
 193, 224, 255	 0, 79, 159
 224, 240, 255	 0, 66, 133
	 0, 53, 108
	 0, 41, 84
	 0, 29, 60
	 0, 19, 39
	 0, 1, 19

 98, 170, 242


 98, 170, 242

 74, 158, 242

 122, 182, 242

 50, 146, 242

 146, 194, 242

 25, 134, 242

 171, 207, 242

 1, 122, 242

 195, 219, 242

 0, 121, 242

 219, 231, 242

 243, 242, 242

 255, 242, 242

Harmonies

Analogous

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



137, 201, 241



98, 170, 242



97, 172, 255

Triad

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



98, 170, 242



253, 204, 255



217, 255, 148

Complementary

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



98, 170, 242



242, 98, 98

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, 221, 168



98, 170, 242



255, 194, 240

Square

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



98, 170, 242



203, 215, 255



255, 193, 201



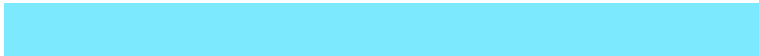
148, 226, 148

Rectangle

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



98, 170, 242



125, 184, 255



255, 193, 201



235, 255, 152

Sweetspot

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



98, 170, 242



209, 232, 255



98, 242, 242



99, 114, 128



0, 0, 0



128, 128, 128

Same Dimension

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



98, 170, 242



74, 165, 255



98, 146, 242



108, 114, 120



0, 92, 184



0, 28, 56

Inverse Universe

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



242, 98, 242



255, 74, 255



242, 242, 98



120, 108, 120



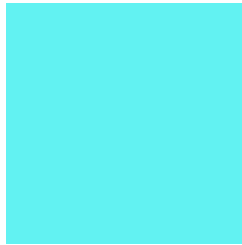
184, 0, 184



56, 0, 56

Previews

White Background



This preview shows how the RYB color 98, 170, 242 looks on a white background.

Color Contrast Check

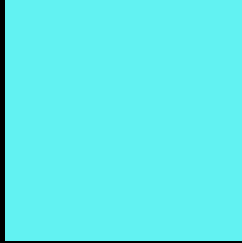
Large Text (above 18pt) WCAG AA × Fail

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, 170, 242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

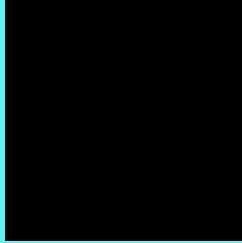
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

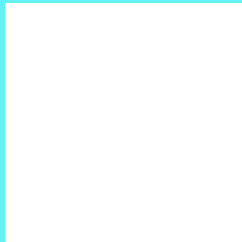
Any Text WCAG AAA ✓ Pass

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

RYB 98, 170, 242 Background



This preview shows how black text looks on a background with the RYB color 98, 170, 242.



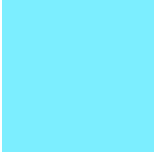
This preview shows how white text looks on a background with the RYB color 98, 170, 242.

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
124, 185, 255

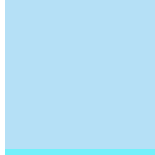
Trichromacy



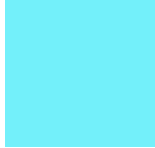
Original Color
98, 170, 242



Protanomaly
176, 203, 233



Deuteranomaly
181, 207, 246

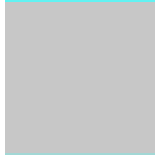


Tritanomaly
115, 180, 250

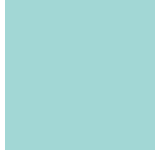
Monochromacy



Original Color
98, 170, 242



Achromatopsia
199, 199, 199



Achromatomaly
162, 189, 215

CSS Examples

Text

The CSS property to change the color of the text to RYB 98, 170, 242 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, 242, 242)` looks like.

```
.text, #text, p{  
    color:rgb(98, 242, 242)  
}
```

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, 242, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 242, 242) }
```

Border

The CSS property to change the border of an element to RYB 98, 170, 242 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, 242, 242) }
```

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

```
.border{ border-color:rgb(98, 242, 242) }
```

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

Here you see how a box with a 4 pixel rgb(98, 242, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 242, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 242, 242);  
box-shadow:4px 4px 4px 4px rgb(98, 242,  
242) }
```

Background

The CSS property to change the background color of an element to RGB 98, 170, 242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 242, 242) }
```

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

```
.background{ background-color: rgb(98, 242,  
242) }
```

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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