

Converting Colors

`RYB(98, 169, 216)`

Have a look what the booklet for
RYB(98, 169, 216) contains.

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Color

$\text{RYB}(98, 169, 216)$

Conversions

Conversions Part 1

Format	Color
Hex	62D8B0
RGB	98, 216, 176
RGB Percent	38%, 85%, 69%
CMY	0.6157, 0.1529, 0.3094
CMYK	0.55, 0.00, 0.18, 0.15
HSL	160°, 60%, 62%
HSV	160°, 55%, 85%
XYZ	37.4405, 54.8475, 49.7461
YIQ	176.1580, -57.4880, -37.4560

Conversions

Conversions Part 2

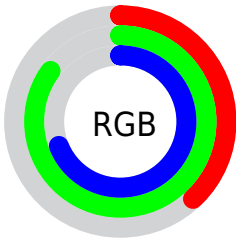
Format	Color
RYB	98, 169, 216
Decimal	6478000
CIELab	78.95, -42.76, 9.67
CIElCh	79, 43.837, 167.251
Yxy	54.8475, 0.2636, 0.3862
Android (android.graphics.Color)	4284668080 (0xFF62D8B0)
YUV	176.1580, -0.0779, -68.5446
Hunter-Lab	74.0591, -39.3628, 12.0158

Details

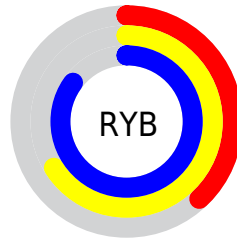
The RYB color **98, 169, 216** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **216, 98, 138**, and the grayscale version is **176, 176, 176**.

A 20% lighter version of the original color is **157, 213, 255**, and **29, 105, 160** is the 20% darker color. If you saturate the color by 10%, you get **76, 160, 216**, and if you desaturate by 10%, it is **120, 178, 216**.

Distribution



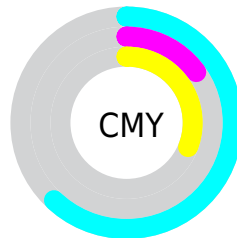
- Red (38%)
- Green (85%)
- Blue (69%)



- Red (38%)
- Yellow (66%)
- Blue (85%)



- Cyan (55%)
- Magenta (0%)
- Yellow (18%)
- Black (15%)



- Cyan (62%)
- Magenta (15%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 98, 169, 216 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, 169, 216 by changing the saturation by 10% instead.



98, 169, 216



98, 169, 216

255, 255, 255



67, 139, 188



157, 213, 255



29, 105, 160



186, 221, 255



0, 77, 134



216, 236, 255



0, 64, 108



246, 251, 255



0, 51, 83



0, 38, 58



0, 31, 37



0, 0, 0



98, 169, 216



98, 169, 216

■ 76, 160, 216

■ 120, 178, 216

■ 55, 152, 216

■ 141, 186, 216

■ 33, 143, 216

■ 163, 195, 216

■ 12, 135, 216

■ 184, 203, 216

■ 0, 130, 216

■ 206, 212, 216

■ 228, 216, 220

■ 249, 216, 227

■ 255, 216, 235

■ 255, 216, 242

Harmonies

Analogous

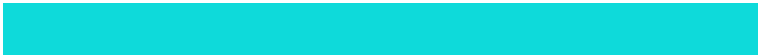
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



139, 210, 197



98, 169, 216



14, 116, 218

Triad

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



98, 169, 216



174, 188, 255



255, 189, 137

Complementary

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



98, 169, 216



216, 98, 138

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, 164, 173



98, 169, 216



229, 176, 251

Square

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



98, 169, 216



102, 164, 255



255, 165, 215



201, 237, 116

Rectangle

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



98, 169, 216



0, 114, 244



255, 165, 215



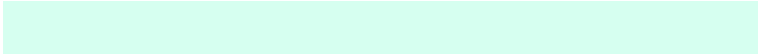
255, 174, 148

Sweetspot

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



98, 169, 216



214, 239, 255



98, 216, 175



103, 118, 128



0, 0, 0



128, 128, 128

Same Dimension

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



98, 169, 216



87, 188, 255



98, 152, 216



96, 103, 107



0, 103, 171



0, 26, 43

Inverse Universe

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



216, 98, 138



255, 87, 144



216, 119, 98



107, 96, 100



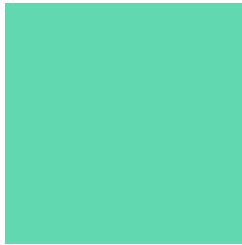
171, 0, 58



43, 0, 15

Previews

White Background



This preview shows how the RYB color 98, 169, 216 looks on a white background.

Color Contrast Check

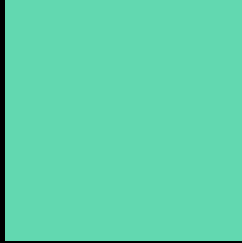
Large Text (above 18pt) WCAG AA × Fail

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, 169, 216 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

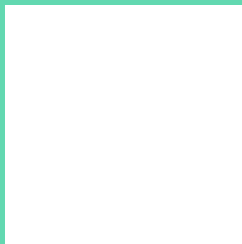
Any Text WCAG AAA ✓ Pass

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

R Y B 98, 169, 216 Background



This preview shows how black text looks on a background with the RYB color 98, 169, 216.

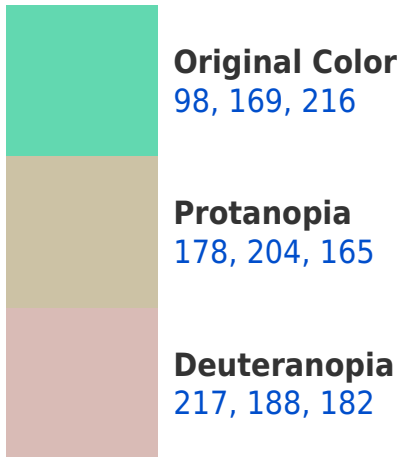


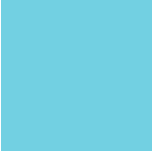
This preview shows how white text looks on a background with the RYB color 98, 169, 216.

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
114, 165, 226

Trichromacy



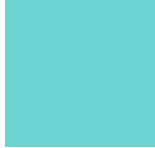
Original Color
98, 169, 216



Protanomaly
165, 198, 202



Deuteranomaly
174, 193, 198

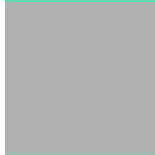


Tritanomaly
108, 161, 212

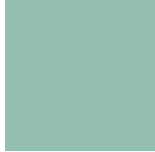
Monochromacy



Original Color
98, 169, 216



Achromatopsia
176, 176, 176



Achromatomaly
148, 174, 191

CSS Examples

Text

The CSS property to change the color of the text to RYB 98, 169, 216 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, 216, 176)` looks like.

```
.text, #text, p{  
    color:rgb(98, 216, 176)  
}
```

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, 216, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 216, 176) }
```

Border

The CSS property to change the border of an element to RYB 98, 169, 216 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, 216, 176) }
```

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

```
.border{ border-color:rgb(98, 216, 176) }
```

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

Here you see how a box with a 4 pixel rgb(98, 216, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 216, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 216, 176);  
box-shadow:4px 4px 4px 4px rgb(98, 216,  
176) }
```

Background

The CSS property to change the background color of an element to RYB 98, 169, 216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 216, 176) }
```

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

```
.background{ background-color: rgb(98, 216,  
176) }
```

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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