

Converting Colors

`RYB(96, 161, 200)`

Have a look what the booklet for RYB(96, 161, 200) contains.

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Color

RYB(96, 161, 200)

Conversions

Conversions Part 1

Format	Color
Hex	60C89E
RGB	96, 200, 158
RGB Percent	38%, 78%, 62%
CMY	0.6235, 0.2157, 0.3788
CMYK	0.52, 0.00, 0.21, 0.22
HSL	156°, 49%, 58%
HSV	156°, 52%, 78%
XYZ	31.6842, 46.2778, 39.7911
YIQ	164.1160, -48.5020, -35.1100

Conversions

Conversions Part 2

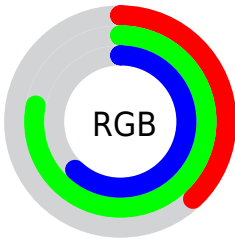
Format	Color
RYB	96, 161, 200
Decimal	6342814
CIELab	73.73, -40.06, 11.71
CIELCh	74, 41.736, 163.707
Yxy	46.2778, 0.2691, 0.3930
Android (android.graphics.Color)	4284532894 (0xFF60C89E)
YUV	164.1160, -3.0152, -59.7377
Hunter-Lab	68.0278, -35.9115, 12.9392

Details

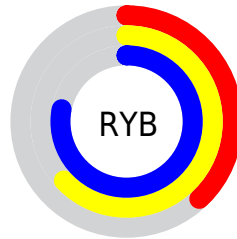
The RYB color **96, 161, 200** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **200, 96, 138**, and the grayscale version is **164, 164, 164**.

A 20% lighter version of the original color is **153, 217, 255**, and **33, 100, 145** is the 20% darker color. If you saturate the color by 10%, you get **76, 154, 200**, and if you desaturate by 10%, it is **116, 169, 200**.

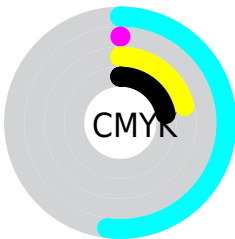
Distribution



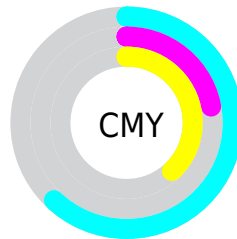
- Red (38%)
- Green (78%)
- Blue (62%)



- Red (38%)
- Yellow (63%)
- Blue (78%)



- Cyan (52%)
- Magenta (0%)
- Yellow (21%)
- Black (22%)


















- Cyan (62%)
- Magenta (22%)
- Yellow (38%)


Brightness & Saturation Gradients

These gradients show how the RYB color 96, 161, 200 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 96, 161, 200 by changing the saturation by 10% instead.

 96, 161, 200	 96, 161, 200
 255, 255, 255	 67, 132, 172
 153, 217, 255	 33, 100, 145
 182, 222, 255	 0, 70, 119
 211, 233, 255	 0, 57, 94
 240, 248, 255	 0, 44, 69
	 0, 34, 46
	 0, 21, 21
	 0, 0, 0


 96, 161, 200	 96, 161, 200
--	--

 76, 154, 200


 116, 169, 200

 56, 146, 200

 136, 176, 200

 36, 139, 200

 156, 184, 200

 16, 131, 200

 176, 191, 200

 0, 125, 200

 196, 199, 200

 216, 200, 206

 236, 200, 214

 255, 200, 222

 255, 200, 230

Harmonies

Analogous

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



124, 194, 172



96, 161, 200



23, 114, 202

Triad

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



96, 161, 200



154, 174, 255



248, 168, 130

Complementary

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



96, 161, 200



200, 96, 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, 151, 165



96, 161, 200



208, 165, 237

Square

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



96, 161, 200



83, 149, 254



242, 154, 204



202, 224, 108

Rectangle

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



96, 161, 200



0, 105, 222



242, 154, 204



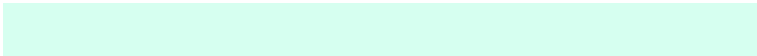
253, 157, 141

Sweetspot

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



96, 161, 200



214, 239, 255



96, 200, 158



103, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



96, 161, 200



97, 196, 255



96, 145, 200



90, 96, 99



0, 102, 163



0, 23, 36

Inverse Universe

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



200, 96, 138



255, 97, 160



200, 107, 96



99, 90, 93



163, 0, 65



36, 0, 14

Previews

White Background



This preview shows how the RYB color 96, 161, 200 looks on a white background.

Color Contrast Check

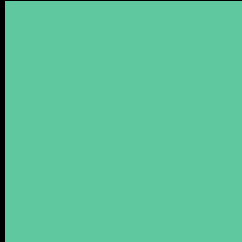
Large Text (above 18pt) WCAG AA × Fail

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 96, 161, 200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

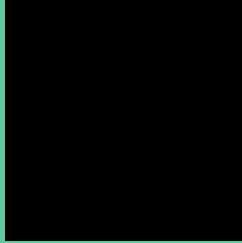
Any Text WCAG AA ✓ Pass

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 96, 161, 200 Background



This preview shows how black text looks on a background with the R Y B color 96, 161, 200.

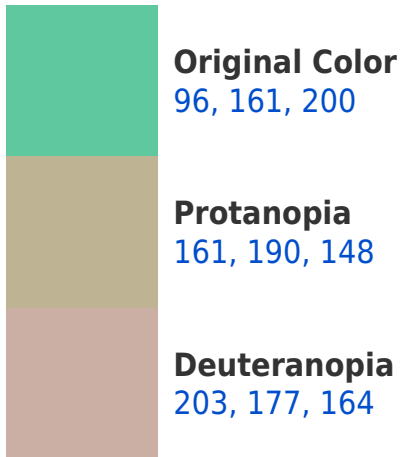


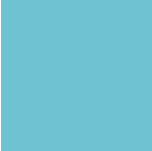
This preview shows how white text looks on a background with the R Y B color 96, 161, 200.

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
111, 156, 209

Trichromacy



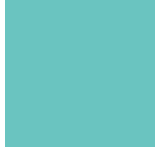
Original Color
96, 161, 200



Protanomaly
152, 187, 183



Deuteranomaly
162, 183, 181



Tritanomaly
106, 152, 196

Monochromacy



Original Color
96, 161, 200



Achromatopsia
164, 164, 164



Achromatomaly
139, 163, 177

CSS Examples

Text

The CSS property to change the color of the text to RYB 96, 161, 200 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(96, 200, 158)` looks like.

```
.text, #text, p{  
    color:rgb(96, 200, 158)  
}
```

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(96, 200, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 200, 158) }
```

Border

The CSS property to change the border of an element to RYB 96, 161, 200 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(96, 200, 158) }
```

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

```
.border{ border-color:rgb(96, 200, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 200, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 200, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 200, 158);  
box-shadow:4px 4px 4px 4px rgb(96, 200,  
158) }
```

Background

The CSS property to change the background color of an element to RGB 96, 161, 200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 200, 158) }
```

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

```
.background{ background-color: rgb(96, 200,  
158) }
```

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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