

Converting Colors

`RYB(113, 170, 196)`

Have a look what the booklet for
RYB(113, 170, 196) contains.

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Color

R_YB(113, 170, 196)

Conversions

Conversions Part 1

Format	Color
Hex	71C497
RGB	113, 196, 151
RGB Percent	44%, 77%, 59%
CMY	0.5569, 0.2314, 0.4084
CMYK	0.42, 0.00, 0.23, 0.23
HSL	147°, 41%, 61%
HSV	147°, 42%, 77%
XYZ	32.1245, 45.2204, 36.2537
YIQ	166.0530, -35.0230, -31.5910

Conversions

Conversions Part 2

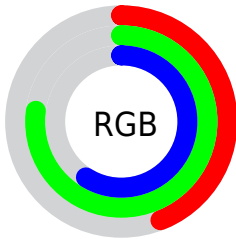
Format	Color
RYB	113, 170, 196
Decimal	7455895
CIELab	73.04, -35.49, 14.89
CIELCh	73, 38.490, 157.239
Yxy	45.2204, 0.2828, 0.3981
Android (android.graphics.Color)	4285645975 (0xFF71C497)
YUV	166.0530, -7.4211, -46.5275
Hunter-Lab	67.2461, -32.4085, 15.1079

Details

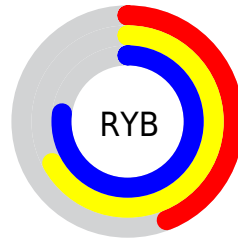
The RYB color **113, 170, 196** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **196, 113, 158**, and the grayscale version is **166, 166, 166**.

A 20% lighter version of the original color is **168, 227, 253**, and **58, 114, 142** is the 20% darker color. If you saturate the color by 10%, you get **93, 164, 196**, and if you desaturate by 10%, it is **133, 176, 196**.

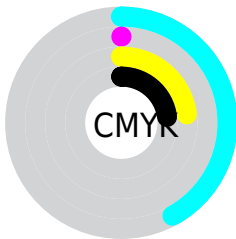
Distribution



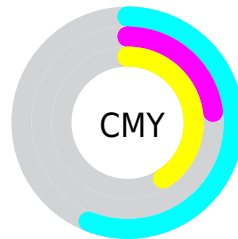
- Red (44%)
- Green (77%)
- Blue (59%)



- Red (44%)
- Yellow (67%)
- Blue (77%)



- Cyan (42%)
- Magenta (0%)
- Yellow (23%)
- Black (23%)



- Cyan (56%)
- Magenta (23%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the RYB color 113, 170, 196 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 113, 170, 196 by changing the saturation by 10% instead.

 113, 170, 196


255, 255, 255


 168, 227, 253

 197, 233, 255

 225, 240, 255

 113, 170, 196

 86, 142, 168


 58, 114, 142

 28, 85, 116

 0, 58, 91

 0, 45, 66

 0, 37, 44

 0, 19, 19

 0, 0, 0

 113, 170, 196

 113, 170, 196

■ 93, 164, 196

■ 133, 176, 196

■ 74, 158, 196

■ 152, 182, 196

■ 54, 151, 196

■ 172, 188, 196

■ 35, 146, 196

■ 191, 195, 196

■ 15, 139, 196

■ 211, 196, 204

■ 0, 135, 196

■ 231, 196, 215

■ 250, 196, 225

■ 255, 196, 236

■ 255, 196, 247

Harmonies

Analogous

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



122, 190, 156



113, 170, 196



65, 134, 198

Triad

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



113, 170, 196



143, 170, 249



244, 161, 138

Complementary

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



113, 170, 196



196, 113, 158

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.



247, 152, 172



113, 170, 196



195, 167, 235

Square

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



113, 170, 196



82, 147, 243



231, 156, 207



225, 217, 115

Rectangle

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



113, 170, 196



36, 120, 210



231, 156, 207



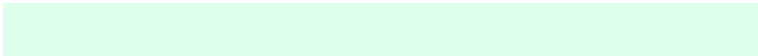
247, 154, 149

Sweetspot

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



113, 170, 196



222, 245, 255



113, 196, 150



107, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



113, 170, 196



125, 214, 255



113, 156, 196



87, 94, 97



0, 111, 161



0, 23, 33

Inverse Universe

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



196, 113, 158



255, 125, 196



196, 113, 117



97, 87, 92



161, 0, 87



33, 0, 18

Previews

White Background



This preview shows how the RYB color 113, 170, 196 looks on a white background.

Color Contrast Check

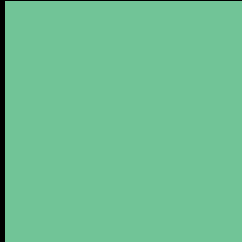
Large Text (above 18pt) WCAG AA × Fail

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 113, 170, 196 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 113, 170, 196 Background



This preview shows how black text looks on a background with the RYB color 113, 170, 196.

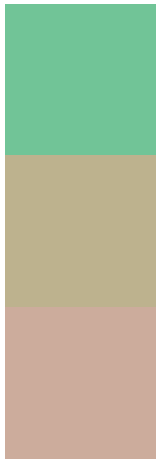


This preview shows how white text looks on a background with the RYB color 113, 170, 196.

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](#).

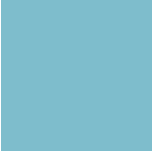
Dichromacy



Original Color
113, 170, 196

Protanopia
156, 189, 142

Deuteranopia
204, 180, 156



Tritanopia
126, 161, 204

Trichromacy



Original Color

113, 170, 196



Protanomaly

145, 185, 169



Deuteranomaly

154, 181, 164



Tritanomaly

121, 158, 192

Monochromacy



Original Color

113, 170, 196



Achromatopsia

166, 166, 166



Achromatomaly

147, 168, 177

CSS Examples

Text

The CSS property to change the color of the text to RYB 113, 170, 196 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(113, 196, 151)` looks like.

```
.text, #text, p{  
    color:rgb(113, 196, 151)  
}
```

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(113, 196, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 196, 151) }
```

Border

The CSS property to change the border of an element to RYB 113, 170, 196 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(113, 196, 151) }
```

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

```
.border{ border-color:rgb(113, 196, 151) }
```

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

Here you see how a box with a 4 pixel rgb(113, 196, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 196, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 196, 151);  
box-shadow:4px 4px 4px 4px rgb(113, 196,  
151) }
```

Background

The CSS property to change the background color of an element to RYB 113, 170, 196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 196, 151) }
```

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

```
.background{ background-color: rgb(113,  
196, 151) }
```

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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