

Converting Colors

`RYB(112, 153, 207)`

Have a look what the booklet for
RYB(112, 153, 207) contains.

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Color

R_YB(112, 153, 207)

Conversions

Conversions Part 1

Format	Color
Hex	70B8CF
RGB	112, 184, 207
RGB Percent	44%, 72%, 81%
CMY	0.5608, 0.2779, 0.1882
CMYK	0.46, 0.11, 0.00, 0.19
HSL	194°, 50%, 63%
HSV	194°, 46%, 81%
XYZ	35.1120, 42.2846, 65.3426
YIQ	165.0940, -50.2950, -8.1110

Conversions

Conversions Part 2

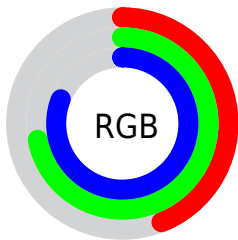
Format	Color
RYB	112, 153, 207
Decimal	7387343
CIELab	71.07, -16.52, -18.58
CIELCh	71, 24.866, 228.357
Yxy	42.2846, 0.2460, 0.2962
Android (android.graphics.Color)	4285577423 (0xFF70B8CF)
YUV	165.0940, 20.6597, -46.5634
Hunter-Lab	65.0266, -17.4131, -14.0595

Details

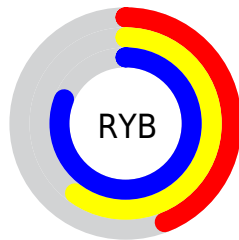
The RYB color **112, 153, 207** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **207, 142, 112**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **168, 207, 255**, and **55, 98, 153** is the 20% darker color. If you saturate the color by 10%, you get **91, 141, 207**, and if you desaturate by 10%, it is **133, 165, 207**.

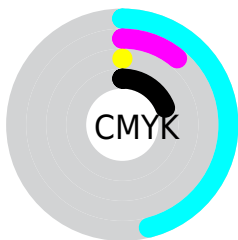
Distribution



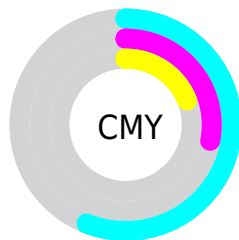
- Red (44%)
- Green (72%)
- Blue (81%)



- Red (44%)
- Yellow (60%)
- Blue (81%)



- Cyan (46%)
- Magenta (11%)
- Yellow (0%)
- Black (19%)




- Cyan (56%)
- Magenta (28%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the RYB color 112, 153, 207 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 112, 153, 207 by changing the saturation by 10% instead.

 112, 153, 207


255, 255, 255

 168, 207, 255

 197, 226, 255

 226, 241, 255

 112, 153, 207

 84, 125, 179

 55, 98, 153

 18, 67, 127

 0, 45, 102

 0, 33, 78

 0, 22, 55

 0, 7, 34

 0, 0, 8

 0, 0, 0

■ 112, 153, 207

■ 112, 153, 207

■ 91, 141, 207

■ 133, 165, 207

■ 71, 130, 207

■ 153, 176, 207

■ 50, 118, 207

■ 174, 188, 207

■ 29, 106, 207

■ 195, 200, 207

■ 8, 94, 207

■ 216, 210, 207

■ 0, 89, 207

■ 236, 216, 207

■ 255, 223, 207

■ 255, 233, 207

■ 255, 248, 207

Harmonies

Analogous

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



110, 149, 187



112, 153, 207



135, 164, 218

Triad

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



112, 153, 207



214, 158, 184



131, 177, 132

Complementary

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



112, 153, 207



207, 142, 112

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.



183, 199, 130



112, 153, 207



220, 158, 161

Square

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



112, 153, 207



194, 164, 204



215, 170, 141



143, 183, 176

Rectangle

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



112, 153, 207



155, 170, 218



215, 170, 141



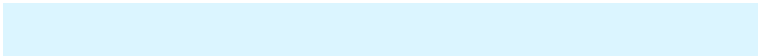
140, 184, 129

Sweetspot

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



112, 153, 207



219, 234, 255



112, 189, 207



106, 115, 128



0, 0, 0



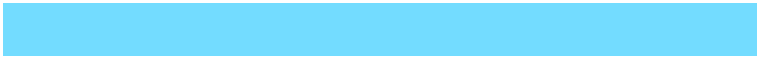
128, 128, 128

Same Dimension

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



112, 153, 207



115, 175, 255



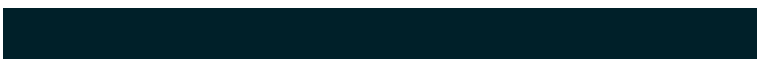
112, 132, 207



94, 99, 105



0, 73, 168



0, 18, 41

Inverse Universe

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



207, 112, 184



255, 115, 221



146, 207, 112



105, 94, 102



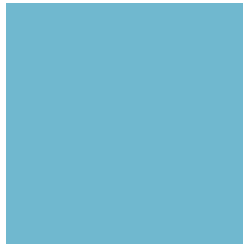
168, 0, 128



41, 0, 31

Previews

White Background



This preview shows how the RYB color 112, 153, 207 looks on a white background.

Color Contrast Check

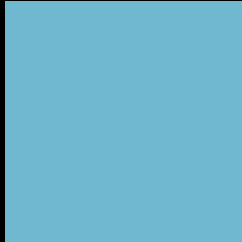
Large Text (above 18pt) WCAG AA × Fail

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 112, 153, 207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

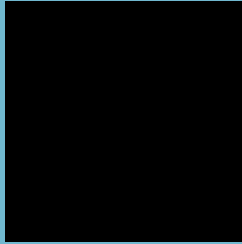
Any Text WCAG AA ✓ Pass

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 112, 153, 207 Background



This preview shows how black text looks on a background with the RYB color 112, 153, 207.

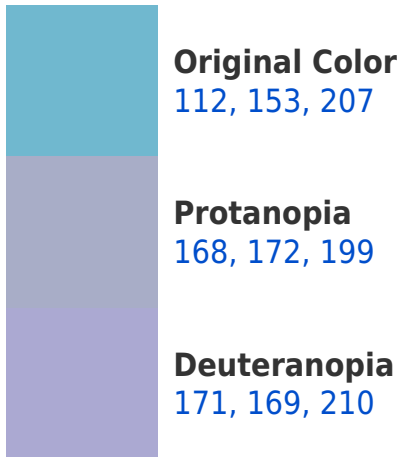


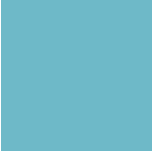
This preview shows how white text looks on a background with the RYB color 112, 153, 207.

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](#).

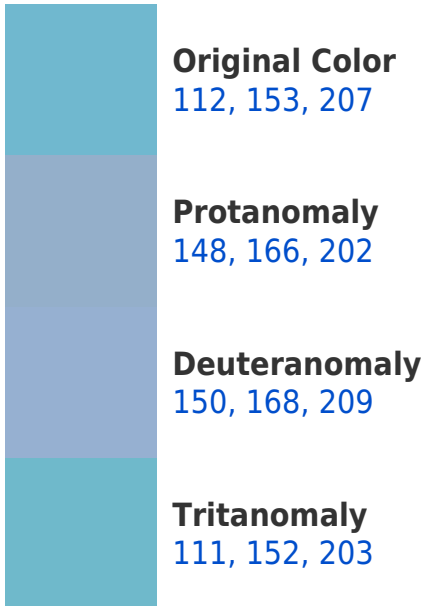
Dichromacy



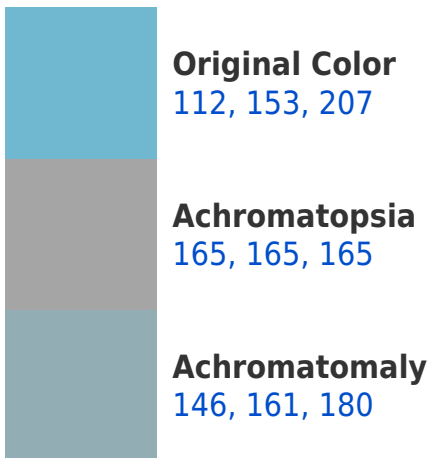


Tritanopia
110, 151, 200

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 112, 153, 207 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(112, 184, 207)` looks like.

```
.text, #text, p{  
    color:rgb(112, 184, 207)  
}
```

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(112, 184, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 184, 207) }
```

Border

The CSS property to change the border of an element to RYB 112, 153, 207 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(112, 184, 207) }
```

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

```
.border{ border-color:rgb(112, 184, 207) }
```

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

Here you see how a box with a 4 pixel rgb(112, 184, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 184, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 184, 207);  
box-shadow:4px 4px 4px 4px rgb(112, 184,  
207) }
```

Background

The CSS property to change the background color of an element to RYB 112, 153, 207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 184, 207) }
```

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

```
.background{ background-color: rgb(112,  
184, 207) }
```

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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