

Converting Colors

`RYB(120, 164, 212)`

Have a look what the booklet for
RYB(120, 164, 212) contains.

RYB(120, 164, 212)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(120, 164, 212)

Conversions

Conversions Part 1

Format	Color
Hex	78CCD4
RGB	120, 204, 212
RGB Percent	47%, 80%, 83%
CMY	0.5294, 0.1987, 0.1686
CMYK	0.43, 0.04, 0.00, 0.17
HSL	185°, 52%, 65%
HSV	185°, 43%, 83%
XYZ	41.3016, 52.0909, 70.1651
YIQ	179.7960, -52.6320, -15.3200

Conversions

Conversions Part 2

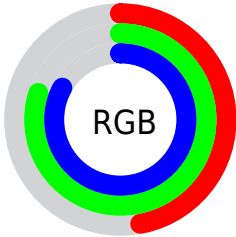
Format	Color
RYB	120, 164, 212
Decimal	7916756
CIELab	77.34, -23.59, -11.83
CIELCh	77, 26.390, 206.625
Yxy	52.0909, 0.2525, 0.3185
Android (android.graphics.Color)	4286106836 (0xFF78CCD4)
YUV	179.7960, 15.8766, -52.4411
Hunter-Lab	72.1740, -24.1579, -7.1179

Details

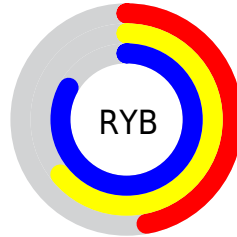
The RYB color **120, 164, 212** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **212, 129, 120**, and the grayscale version is **180, 180, 180**.

A 20% lighter version of the original color is **177, 216, 255**, and **63, 108, 157** is the 20% darker color. If you saturate the color by 10%, you get **99, 153, 212**, and if you desaturate by 10%, it is **141, 175, 212**.

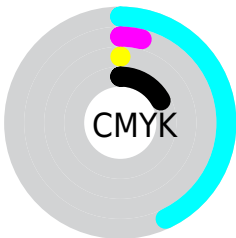
Distribution



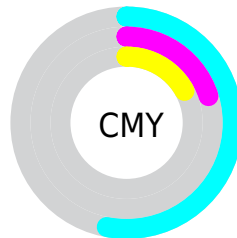
- Red (47%)
- Green (80%)
- Blue (83%)



- Red (47%)
- Yellow (64%)
- Blue (83%)



- Cyan (43%)
- Magenta (4%)
- Yellow (0%)
- Black (17%)




- Cyan (53%)
- Magenta (20%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 164, 212 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 120, 164, 212 by changing the saturation by 10% instead.


 120, 164, 212


255, 255, 255

 177, 216, 255

 206, 231, 255

 235, 245, 255

 120, 164, 212

 92, 136, 184

 62, 108, 157


 28, 78, 131

 0, 51, 106


 0, 39, 82

 0, 27, 59


 0, 17, 37


 0, 1, 16


 0, 0, 0


 120, 164, 212


 120, 164, 212

 99, 153, 212


 141, 175, 212

 78, 142, 212


 162, 186, 212

 56, 131, 212

 184, 197, 212

 35, 120, 212

 205, 208, 212

 14, 109, 212

 226, 213, 212

 0, 101, 212

 247, 215, 212

 255, 218, 212

 255, 219, 212

 255, 222, 212

Harmonies

Analogous

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



133, 174, 205



120, 164, 212



129, 171, 231

Triad

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



120, 164, 212



220, 178, 218



179, 212, 142

Complementary

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



120, 164, 212



212, 129, 120

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.



231, 196, 151



120, 164, 212



237, 174, 195

Square

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



120, 164, 212



191, 186, 235



241, 175, 170



147, 196, 157

Rectangle

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



120, 164, 212



147, 179, 238



241, 175, 170



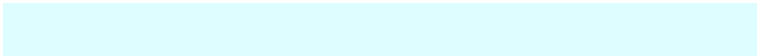
203, 219, 144

Sweetspot

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



120, 164, 212



222, 238, 255



120, 205, 212



107, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



120, 164, 212



122, 186, 255



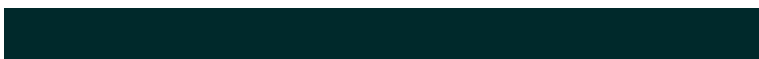
120, 147, 212



96, 101, 107



0, 82, 171



0, 21, 43

Inverse Universe

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



212, 120, 204



255, 122, 244



185, 212, 120



107, 96, 106



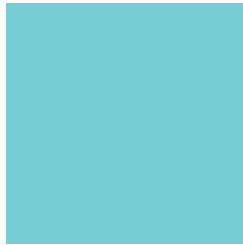
171, 0, 157



43, 0, 40

Previews

White Background



This preview shows how the RYB color 120, 164, 212 looks on a white background.

Color Contrast Check

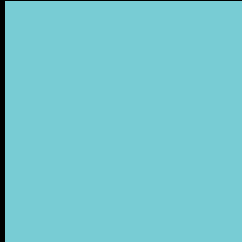
Large Text (above 18pt) WCAG AA × Fail

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 120, 164, 212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

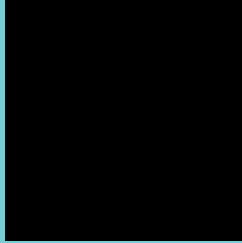
Any Text WCAG AA ✓ Pass

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 120, 164, 212 Background



This preview shows how black text looks on a background with the RYB color 120, 164, 212.

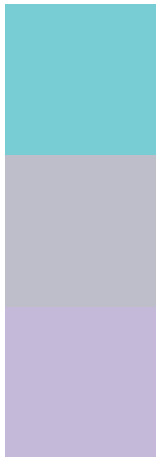


This preview shows how white text looks on a background with the RYB color 120, 164, 212.

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
120, 164, 212

Protanopia
190, 189, 202

Deuteranopia
196, 185, 216



Tritanopia
122, 166, 220

Trichromacy



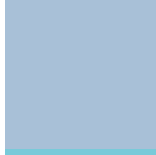
Original Color

120, 164, 212



Protanomaly

165, 182, 206



Deuteranomaly

168, 184, 215



Tritanomaly

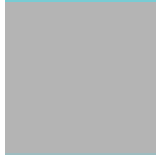
121, 165, 217

Monochromacy



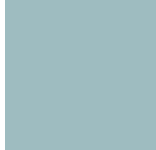
Original Color

120, 164, 212



Achromatopsia

180, 180, 180



Achromatomaly

158, 174, 192

CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 164, 212 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(120, 204, 212)` looks like.

```
.text, #text, p{  
    color:rgb(120, 204, 212)  
}
```

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(120, 204, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 204, 212) }
```

Border

The CSS property to change the border of an element to RYB 120, 164, 212 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(120, 204, 212) }
```

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

```
.border{ border-color:rgb(120, 204, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 204, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 204, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 204, 212); box-shadow:4px 4px 4px 4px rgb(120, 204, 212) }
```

Background

The CSS property to change the background color of an element to RYB 120, 164, 212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 204, 212) }
```

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

```
.background{ background-color: rgb(120,  
204, 212) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor