

Converting Colors

`RYB(120, 151, 193)`

Have a look what the booklet for
RYB(120, 151, 193) contains.

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Color

R_YB(120, 151, 193)

Conversions

Conversions Part 1

Format	Color
Hex	78AEC1
RGB	120, 174, 193
RGB Percent	47%, 68%, 76%
CMY	0.5294, 0.3181, 0.2431
CMYK	0.38, 0.10, 0.00, 0.24
HSL	196°, 37%, 61%
HSV	196°, 38%, 76%
XYZ	32.4844, 38.0694, 56.0881
YIQ	160.0200, -38.2830, -5.5390

Conversions

Conversions Part 2

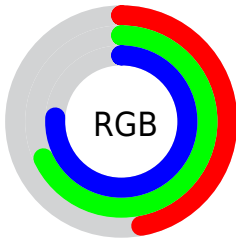
Format	Color
RYB	120, 151, 193
Decimal	7909057
CIELab	68.07, -12.80, -15.37
CIELCh	68, 20.002, 230.227
Yxy	38.0694, 0.2565, 0.3006
Android (android.graphics.Color)	4286099137 (0xFF78AEC1)
YUV	160.0200, 16.2591, -35.0975
Hunter-Lab	61.7004, -13.9980, -10.7066

Details

The RYB color **120, 151, 193** is a light color, and the websafe version is hex **669999**. A complement of this color would be **193, 146, 120**, and the grayscale version is **160, 160, 160**.

A 20% lighter version of the original color is **175, 207, 249**, and **67, 98, 139** is the 20% darker color. If you saturate the color by 10%, you get **101, 140, 193**, and if you desaturate by 10%, it is **139, 162, 193**.

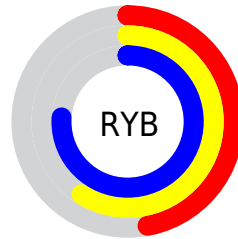
Distribution



Red (47%)

Green (68%)

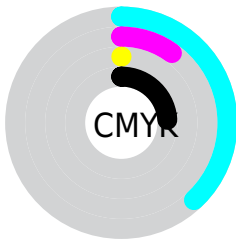
Blue (76%)



Red (47%)

Yellow (59%)

Blue (76%)

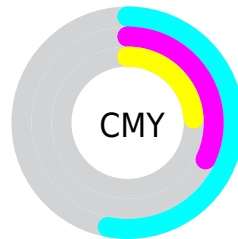


Cyan (38%)

Magenta (10%)

Yellow (0%)

Black (24%)



Cyan (53%)


Magenta (32%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 151, 193 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, 151, 193 by changing the saturation by 10% instead.


 120, 151, 193


255, 255, 255

 175, 206, 249

 203, 229, 255

 232, 244, 255

 120, 151, 193


 93, 124, 166

 67, 98, 139

 39, 72, 114

 3, 42, 89


 0, 28, 66

 0, 17, 44

 0, 1, 24

 0, 0, 0

 120, 151, 193

 120, 151, 193

■ 101, 140, 193

■ 139, 162, 193

■ 81, 129, 193

■ 159, 173, 193

■ 62, 118, 193

■ 178, 184, 193

■ 43, 107, 193

■ 197, 194, 193

■ 23, 95, 193

■ 217, 201, 193

■ 4, 84, 193

■ 236, 208, 193

■ 0, 82, 193

■ 255, 215, 193

■ 255, 225, 193

■ 255, 238, 193

Harmonies

Analogous

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



117, 147, 178



120, 151, 193



137, 158, 201

Triad

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



120, 151, 193



198, 154, 173



132, 169, 134

Complementary

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



120, 151, 193



193, 146, 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.



168, 185, 131



120, 151, 193



204, 154, 154

Square

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



120, 151, 193



184, 157, 189



199, 165, 139



142, 173, 169

Rectangle

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



120, 151, 193



153, 163, 201



199, 165, 139



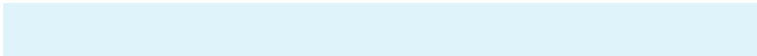
137, 173, 130

Sweetspot

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



120, 151, 193



222, 234, 250



120, 179, 193



109, 116, 125



252, 252, 252



125, 125, 125

Same Dimension

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



120, 151, 193



137, 185, 250



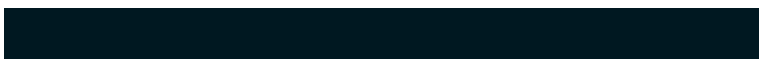
120, 134, 193



87, 91, 97



0, 68, 161



0, 14, 33

Inverse Universe

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



193, 120, 174



250, 137, 220



144, 193, 120



97, 87, 94



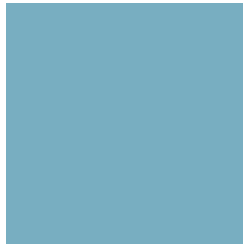
161, 0, 119



33, 0, 24

Previews

White Background



This preview shows how the RYB color 120, 151, 193 looks on a white background.

Color Contrast Check

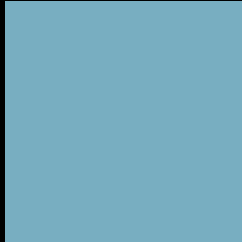
Large Text (above 18pt) WCAG AA × Fail

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, 151, 193 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, 151, 193 Background



This preview shows how black text looks on a background with the RYB color 120, 151, 193.

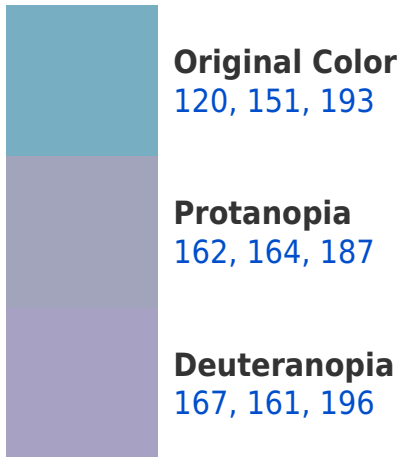


This preview shows how white text looks on a background with the RYB color 120, 151, 193.

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
119, 150, 189

Trichromacy



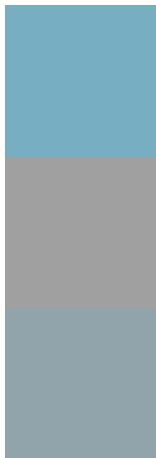
Original Color
120, 151, 193

Protanomaly
147, 161, 189

Deuteranomaly
150, 162, 195

Tritanomaly
119, 150, 190

Monochromacy



Original Color
120, 151, 193

Achromatopsia
160, 160, 160

Achromatomaly
145, 156, 172

CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 151, 193 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, 174, 193)` looks like.

```
.text, #text, p{  
    color:rgb(120, 174, 193)  
}
```

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, 174, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 174, 193) }
```

Border

The CSS property to change the border of an element to RYB 120, 151, 193 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, 174, 193) }
```

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

```
.border{ border-color:rgb(120, 174, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 174, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 174, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 174, 193);  
box-shadow:4px 4px 4px 4px rgb(120, 174,  
193) }
```

Background

The CSS property to change the background color of an element to RYB 120, 151, 193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 174, 193) }
```

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

```
.background{ background-color: rgb(120,  
174, 193) }
```

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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