

Converting Colors

`RYB(63, 120, 184)`

Have a look what the booklet for
RYB(63, 120, 184) contains.

RYB(63, 120, 184)	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

$\text{RYB}(63, 120, 184)$

Conversions

Conversions Part 1

Format	Color
Hex	3FABB8
RGB	63, 171, 184
RGB Percent	25%, 67%, 72%
CMY	0.7529, 0.3303, 0.2784
CMYK	0.66, 0.07, 0.00, 0.28
HSL	187°, 49%, 48%
HSV	187°, 66%, 72%
XYZ	25.2203, 33.5548, 50.4949
YIQ	140.1900, -68.5410, -18.8530

Conversions

Conversions Part 2

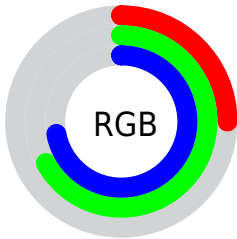
Format	Color
RYB	63, 120, 184
Decimal	4172728
CIELab	64.61, -26.15, -15.83
CIELCh	65, 30.567, 211.188
Yxy	33.5548, 0.2308, 0.3071
Android (android.graphics.Color)	4282362808 (0xFF3FABB8)
YUV	140.1900, 21.5983, -67.6956
Hunter-Lab	57.9265, -23.6553, -11.1349

Details

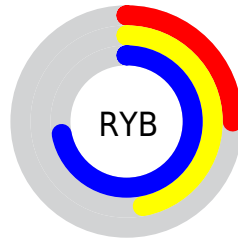
The RYB color **63, 120, 184** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **184, 78, 63**, and the grayscale version is **140, 140, 140**.

A 20% lighter version of the original color is **125, 179, 240**, and **0, 62, 131** is the 20% darker color. If you saturate the color by 10%, you get **45, 111, 184**, and if you desaturate by 10%, it is **81, 130, 184**.

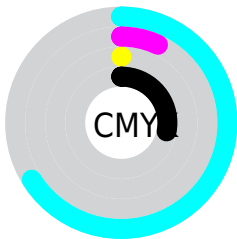
Distribution



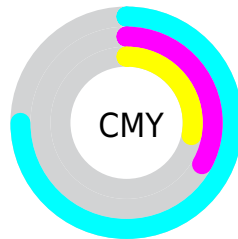
- Red (25%)
- Green (67%)
- Blue (72%)



- Red (25%)
- Yellow (47%)
- Blue (72%)



- Cyan (66%)
- Magenta (7%)
- Yellow (0%)
- Black (28%)



- Cyan (75%)
- Magenta (33%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the RYB color 63, 120, 184 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 63, 120, 184 by changing the saturation by 10% instead.

■ 63, 120, 184

■ 63, 120, 184

255, 255, 255

■ 20, 85, 157

■ 125, 179, 240

■ 0, 62, 131

■ 154, 205, 255

■ 0, 50, 106

■ 184, 220, 255

■ 0, 37, 82

■ 213, 234, 255

■ 0, 26, 59

■ 243, 249, 255

■ 0, 15, 37

■ 0, 1, 15

■ 0, 0, 0

■ 63, 120, 184

■ 63, 120, 184

■ 45, 111, 184

■ 81, 130, 184

■ 26, 101, 184

■ 100, 140, 184

■ 8, 91, 184

■ 118, 149, 184

■ 0, 87, 184

■ 137, 159, 184

■ 155, 169, 184

■ 173, 178, 184

■ 192, 185, 184

■ 210, 187, 184

■ 229, 190, 184

Harmonies

Analogous

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



82, 131, 172



63, 120, 184



81, 131, 204

Triad

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



63, 120, 184



192, 140, 183



128, 174, 102

Complementary

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



63, 120, 184



184, 78, 63

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.



197, 171, 110



63, 120, 184



209, 136, 157

Square

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



63, 120, 184



162, 149, 203



210, 139, 130



109, 164, 127

Rectangle

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



63, 120, 184



107, 143, 210



210, 139, 130



154, 183, 103

Sweetspot

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



63, 120, 184



192, 214, 240



63, 173, 184



91, 105, 120



247, 247, 247



120, 120, 120

Same Dimension

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



63, 120, 184



50, 139, 240



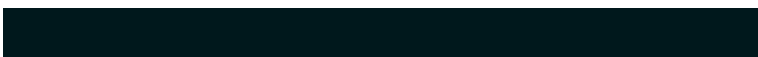
63, 97, 184



83, 87, 92



0, 74, 156



0, 13, 28

Inverse Universe

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



184, 63, 171



240, 50, 219



143, 184, 63



92, 83, 91



156, 0, 139



28, 0, 25

Previews

White Background



This preview shows how the RYB color 63, 120, 184 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 63, 120, 184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

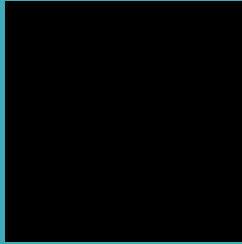
Any Text WCAG AA ✓ Pass

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_YB 63, 120, 184 Background



This preview shows how black text looks on a background with the R_YB color 63, 120, 184.

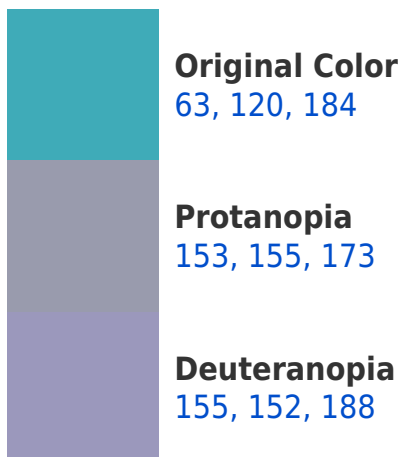


This preview shows how white text looks on a background with the R_YB color 63, 120, 184.

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
63, 120, 185

Trichromacy



Original Color

63, 120, 184



Protanomaly

120, 144, 177



Deuteranomaly

122, 146, 187



Tritanomaly

63, 120, 185

Monochromacy



Original Color

63, 120, 184



Achromatopsia

140, 140, 140



Achromatomaly

112, 133, 156

CSS Examples

Text

The CSS property to change the color of the text to RYB 63, 120, 184 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(63, 171, 184)` looks like.

```
.text, #text, p{  
    color:rgb(63, 171, 184)  
}
```

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(63, 171, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 171, 184) }
```

Border

The CSS property to change the border of an element to RYB 63, 120, 184 is called "border". The border property can be set on classes, ids or directly on the HTML element.

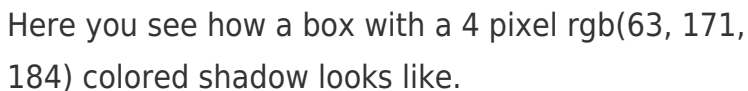
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(63, 171, 184) }
```

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

```
.border{ border-color:rgb(63, 171, 184) }
```

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



Here you see how a box with a 4 pixel `rgb(63, 171, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(63, 171, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(63, 171, 184); box-shadow:4px 4px 4px 4px rgb(63, 171, 184) }
```

Background

The CSS property to change the background color of an element to RGB 63, 120, 184 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 171, 184) }
```

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

```
.background{ background-color: rgb(63, 171,  
184) }
```

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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