

Converting Colors

`RYB(80, 124, 163)`

Have a look what the booklet for RYB(80, 124, 163) contains.

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Color

R_YB(80, 124, 163)

Conversions

Conversions Part 1

Format	Color
Hex	50A39A
RGB	80, 163, 154
RGB Percent	31%, 64%, 60%
CMY	0.6863, 0.3608, 0.3978
CMYK	0.51, 0.00, 0.06, 0.36
HSL	173°, 34%, 48%
HSV	173°, 51%, 64%
XYZ	22.2023, 30.2186, 35.0462
YIQ	137.1570, -46.5790, -20.3950

Conversions

Conversions Part 2

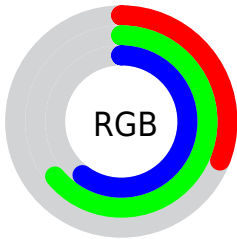
Format	Color
RYB	80, 124, 163
Decimal	5284762
CIELab	61.84, -27.59, -2.85
CIELCh	62, 27.741, 185.903
Yxy	30.2186, 0.2538, 0.3455
Android (android.graphics.Color)	4283474842 (0xFF50A39A)
YUV	137.1570, 8.3036, -50.1267
Hunter-Lab	54.9714, -24.1061, 0.6806

Details

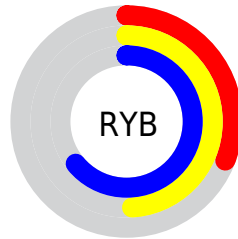
The RYB color **80, 124, 163** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **163, 80, 89**, and the grayscale version is **137, 137, 137**.

A 20% lighter version of the original color is **135, 179, 218**, and **15, 65, 111** is the 20% darker color. If you saturate the color by 10%, you get **64, 116, 163**, and if you desaturate by 10%, it is **96, 132, 163**.

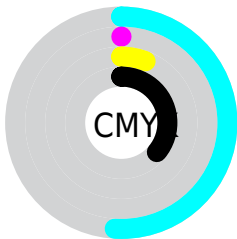
Distribution



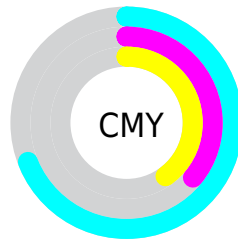
- Red (31%)
- Green (64%)
- Blue (60%)



- Red (31%)
- Yellow (49%)
- Blue (64%)



- Cyan (51%)
- Magenta (0%)
- Yellow (6%)
- Black (36%)



- Cyan (69%)
- Magenta (36%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the RYB color 80, 124, 163 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 80, 124, 163 by changing the saturation by 10% instead.



80, 124, 163



80, 124, 163

255, 255, 255



51, 96, 136



135, 179, 218



15, 65, 111



163, 208, 247



0, 45, 86



192, 224, 255



0, 33, 62



221, 238, 255



0, 21, 40



250, 253, 255



0, 7, 13



0, 0, 0



80, 124, 163



80, 124, 163



64, 116, 163



96, 132, 163

■ 47, 108, 163

■ 113, 140, 163

■ 31, 101, 163

■ 129, 147, 163

■ 15, 94, 163

■ 145, 155, 163

■ 0, 87, 163

■ 162, 163, 163

■ 178, 163, 165

■ 194, 163, 167

■ 210, 163, 168

■ 227, 163, 170

Harmonies

Analogous

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



106, 145, 161



80, 124, 163



69, 119, 177

Triad

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



80, 124, 163



159, 141, 189



183, 172, 105

Complementary

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



80, 124, 163



163, 80, 89

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.



196, 136, 122



80, 124, 163



185, 134, 170

Square

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



80, 124, 163



124, 143, 198



197, 131, 145



116, 162, 100

Rectangle

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



80, 124, 163



79, 125, 189



197, 131, 145



189, 153, 110

Sweetspot

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



80, 124, 163



180, 197, 212



80, 163, 153



88, 98, 107



235, 235, 235



107, 107, 107

Same Dimension

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



80, 124, 163



83, 151, 212



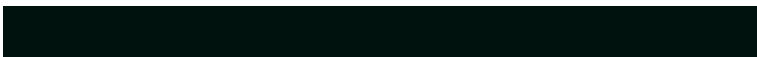
80, 112, 163



73, 78, 82



0, 77, 145



0, 10, 18

Inverse Universe

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



163, 80, 89



212, 83, 97



163, 132, 80



82, 73, 74



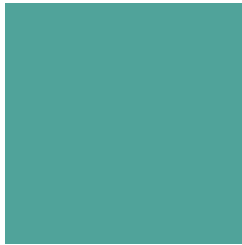
145, 0, 17



18, 0, 2

Previews

White Background



This preview shows how the RYB color 80, 124, 163 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 80, 124, 163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

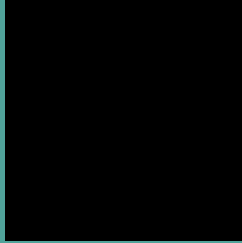
Any Text WCAG AA ✓ Pass

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 Y B 80, 124, 163 Background



This preview shows how black text looks on a background with the R Y B color 80, 124, 163.



This preview shows how white text looks on a background with the R Y B color 80, 124, 163.

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
86, 126, 173

Trichromacy



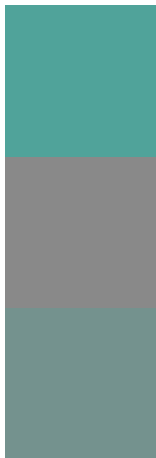
Original Color
80, 124, 163

Protanomaly
126, 141, 153

Deuteranomaly
130, 142, 156

Tritanomaly
84, 124, 166

Monochromacy



Original Color
80, 124, 163

Achromatopsia
137, 137, 137

Achromatomaly
116, 132, 146

CSS Examples

Text

The CSS property to change the color of the text to RYB 80, 124, 163 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(80, 163, 154)` looks like.

```
.text, #text, p{  
    color:rgb(80, 163, 154)  
}
```

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(80, 163, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 163, 154) }
```

Border

The CSS property to change the border of an element to RYB 80, 124, 163 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(80, 163, 154) }
```

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

```
.border{ border-color:rgb(80, 163, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 163, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 163, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 163, 154);  
box-shadow:4px 4px 4px 4px rgb(80, 163,  
154) }
```

Background

The CSS property to change the background color of an element to RGB 80, 124, 163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 163, 154) }
```

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

```
.background{ background-color: rgb(80, 163,  
154) }
```

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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