

Converting Colors

`RYB(80, 119, 172)`

Have a look what the booklet for
RYB(80, 119, 172) contains.

RYB(80, 119, 172)	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(80, 119, 172)

Conversions

Conversions Part 1

Format	Color
Hex	5094AC
RGB	80, 148, 172
RGB Percent	31%, 58%, 67%
CMY	0.6863, 0.4208, 0.3255
CMYK	0.53, 0.14, 0.00, 0.33
HSL	196°, 37%, 49%
HSV	196°, 53%, 67%
XYZ	21.2973, 25.7693, 42.8812
YIQ	130.4040, -48.2320, -6.9520

Conversions

Conversions Part 2

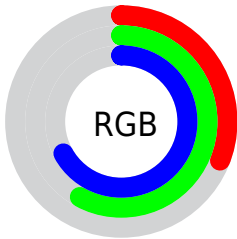
Format	Color
R_{YB}	80, 119, 172
Decimal	5280940
CIE _{Lab}	57.82, -14.49, -19.33
CIE _{LCh}	58, 24.155, 233.147
Yxy	25.7693, 0.2368, 0.2865
Android (android.graphics.Color)	4283471020 (0xFF5094AC)
YUV	130.4040, 20.5068, -44.2043
Hunter-Lab	50.7634, -13.9482, -14.5494

Details

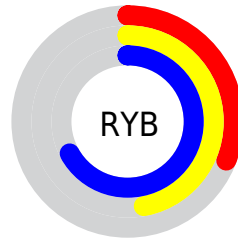
The RYB color **80, 119, 172** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **172, 112, 80**, and the grayscale version is **130, 130, 130**.

A 20% lighter version of the original color is **136, 174, 227**, and **14, 61, 120** is the 20% darker color. If you saturate the color by 10%, you get **63, 109, 172**, and if you desaturate by 10%, it is **97, 129, 172**.

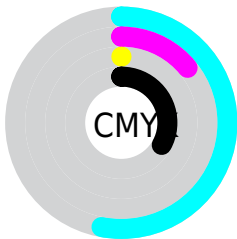
Distribution



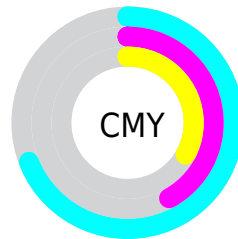
- Red (31%)
- Green (58%)
- Blue (67%)



- Red (31%)
- Yellow (47%)
- Blue (67%)



- Cyan (53%)
- Magenta (14%)
- Yellow (0%)
- Black (33%)



- Cyan (69%)
- Magenta (42%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 80, 119, 172 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, 119, 172 by changing the saturation by 10% instead.



80, 119, 172



80, 119, 172

255, 255, 255



51, 91, 145



136, 174, 227



14, 61, 120



164, 202, 255



0, 41, 95



192, 224, 255



0, 29, 71



221, 238, 255



0, 19, 49



250, 253, 255



0, 1, 28



0, 0, 0



80, 119, 172



80, 119, 172



63, 109, 172



97, 129, 172

■ 46, 100, 172

■ 114, 139, 172

■ 28, 89, 172

■ 132, 149, 172

■ 11, 79, 172

■ 149, 159, 172

■ 0, 73, 172

■ 166, 168, 172

■ 183, 176, 172

■ 200, 183, 172

■ 218, 188, 172

■ 235, 195, 172

Harmonies

Analogous

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



74, 113, 155



80, 119, 172



105, 130, 180

Triad

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



80, 119, 172



177, 124, 145



100, 143, 106

Complementary

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



80, 119, 172



172, 112, 80

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.



134, 159, 97



80, 119, 172



181, 124, 123

Square

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



80, 119, 172



161, 128, 164



174, 141, 106



113, 148, 148

Rectangle

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



80, 119, 172



125, 136, 180



174, 141, 106



102, 145, 98

Sweetspot

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



80, 119, 172



188, 203, 224



80, 154, 172



91, 100, 112



240, 240, 240



112, 112, 112

Same Dimension

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



80, 119, 172



81, 142, 224



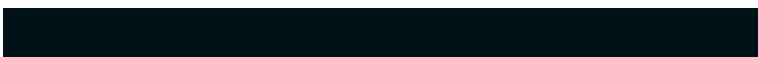
80, 98, 172



78, 82, 87



0, 64, 150



0, 10, 23

Inverse Universe

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



172, 80, 148



224, 81, 186



111, 172, 80



87, 78, 84



150, 0, 111



23, 0, 17

Previews

White Background



This preview shows how the RYB color 80, 119, 172 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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, 119, 172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

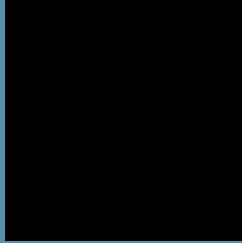
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

R Y B 80, 119, 172 Background



This preview shows how black text looks on a background with the R Y B color 80, 119, 172.

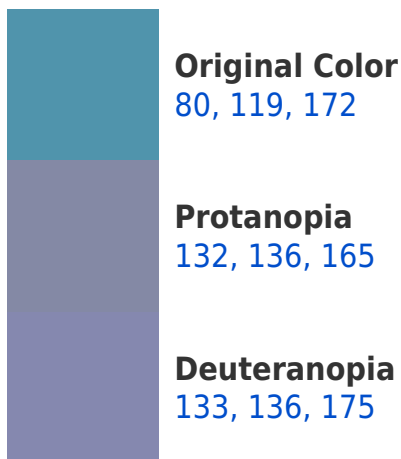


This preview shows how white text looks on a background with the R Y B color 80, 119, 172.

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
76, 115, 162

Trichromacy



Original Color
80, 119, 172

Protanomaly
113, 132, 168

Deuteranomaly
114, 132, 174

Tritanomaly
77, 117, 166

Monochromacy



Original Color
80, 119, 172

Achromatopsia
130, 130, 130

Achromatomaly
112, 126, 145

CSS Examples

Text

The CSS property to change the color of the text to RYB 80, 119, 172 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, 148, 172)` looks like.

```
.text, #text, p{  
    color:rgb(80, 148, 172)  
}
```

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, 148, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 148, 172) }
```

Border

The CSS property to change the border of an element to RYB 80, 119, 172 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, 148, 172) }
```

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

```
.border{ border-color:rgb(80, 148, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 148, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 148, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 148, 172);  
box-shadow:4px 4px 4px 4px rgb(80, 148,  
172) }
```

Background

The CSS property to change the background color of an element to RGB 80, 148, 172 is called "background".

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

```
.background, #background, body{  
background: rgb(80, 148, 172) }
```

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

```
.background{ background-color: rgb(80, 148,  
172) }
```

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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