

Converting Colors

`RYB(81, 119, 172)`

Have a look what the booklet for
RYB(81, 119, 172) contains.

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Color

R_YB(81, 119, 172)

Conversions

Conversions Part 1

Format	Color
Hex	5192AC
RGB	81, 146, 172
RGB Percent	32%, 57%, 67%
CMY	0.6824, 0.4265, 0.3255
CMYK	0.53, 0.15, 0.00, 0.33
HSL	197°, 36%, 50%
HSV	197°, 53%, 67%
XYZ	21.1565, 25.3614, 42.8099
YIQ	129.5290, -47.0860, -5.6940

Conversions

Conversions Part 2

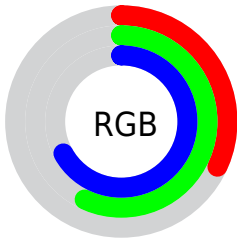
Format	Color
R_{YB}	81, 119, 172
Decimal	5345964
CIE _{Lab}	57.43, -13.47, -19.92
CIE _{LCh}	57, 24.049, 235.935
Yxy	25.3614, 0.2368, 0.2839
Android (android.graphics.Color)	4283536044 (0xFF5192AC)
YUV	129.5290, 20.9382, -42.5599
Hunter-Lab	50.3601, -13.1415, -15.1490

Details

The RYB color **81, 119, 172** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **172, 117, 81**, and the grayscale version is **130, 130, 130**.

A 20% lighter version of the original color is **136, 174, 227**, and **17, 61, 120** is the 20% darker color. If you saturate the color by 10%, you get **64, 109, 172**, and if you desaturate by 10%, it is **98, 129, 172**.

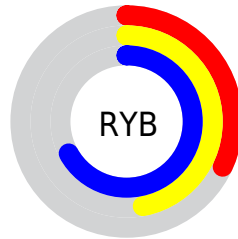
Distribution



Red (32%)

Green (57%)

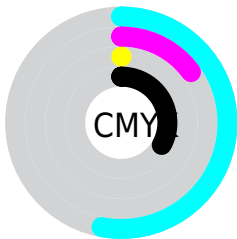
Blue (67%)



Red (32%)

Yellow (47%)

Blue (67%)

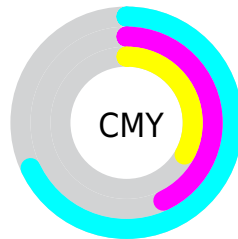


Cyan (53%)

Magenta (15%)

Yellow (0%)

Black (33%)



Cyan (68%)

Magenta (43%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 81, 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 81, 119, 172 by changing the saturation by 10% instead.



81, 119, 172



81, 119, 172

255, 255, 255



52, 91, 145



136, 174, 227



17, 62, 120



164, 202, 255



0, 41, 95



193, 224, 255



0, 29, 71



222, 239, 255



0, 18, 49



251, 253, 255



0, 1, 28



0, 0, 0



81, 119, 172



81, 119, 172



64, 109, 172



98, 129, 172

■ 47, 99, 172

■ 115, 139, 172

■ 29, 89, 172

■ 133, 149, 172

■ 12, 79, 172

■ 150, 159, 172

■ 0, 72, 172

■ 167, 169, 172

■ 184, 176, 172

■ 201, 183, 172

■ 219, 190, 172

■ 236, 197, 172

Harmonies

Analogous

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



73, 112, 155



81, 119, 172



107, 130, 179

Triad

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



81, 119, 172



177, 123, 142



100, 142, 108

Complementary

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



81, 119, 172



172, 117, 81

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.



126, 156, 96



81, 119, 172



180, 123, 121

Square

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



81, 119, 172



162, 127, 162



172, 144, 104



110, 143, 147

Rectangle

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



81, 119, 172



127, 135, 178



172, 144, 104



98, 141, 97

Sweetspot

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



81, 119, 172



188, 203, 224



81, 153, 172



91, 100, 112



240, 240, 240



112, 112, 112

Same Dimension

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



81, 119, 172



83, 142, 224



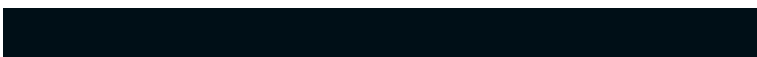
81, 98, 172



78, 82, 87



0, 63, 150



0, 9, 23

Inverse Universe

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



172, 81, 146



224, 83, 184



108, 172, 81



87, 78, 84



150, 0, 108



23, 0, 16

Previews

White Background



This preview shows how the RYB color 81, 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 81, 119, 172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

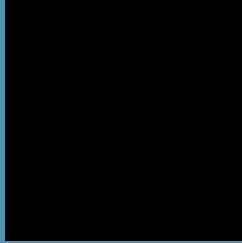
Any Text WCAG AA ✓ Pass

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](#).

RYB 81, 119, 172 Background



This preview shows how black text looks on a background with the RYB color 81, 119, 172.



This preview shows how white text looks on a background with the RYB color 81, 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



Original Color
81, 119, 172

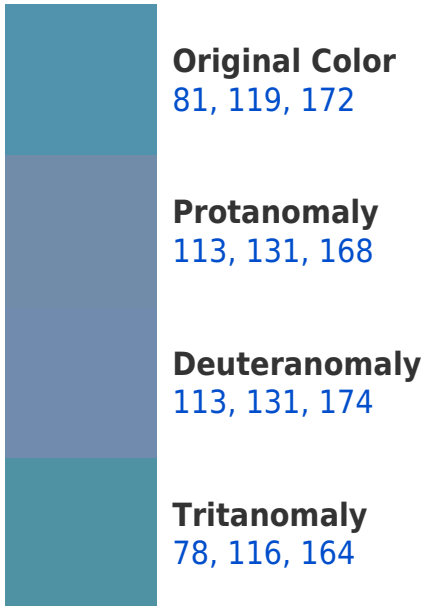
Protanopia
131, 135, 165

Deuteranopia
131, 135, 175

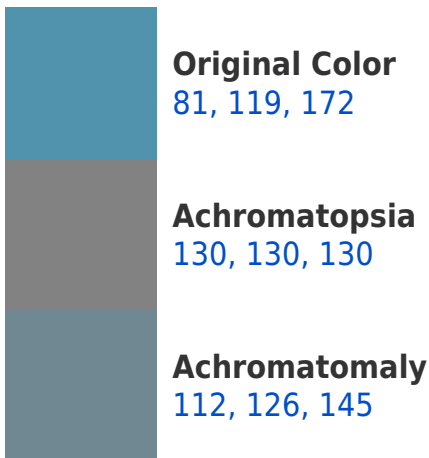


Tritanopia
77, 115, 160

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 81, 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(81, 146, 172)` looks like.

```
.text, #text, p{  
    color:rgb(81, 146, 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(81, 146, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 146, 172) }
```

Border

The CSS property to change the border of an element to RYB 81, 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(81, 146, 172) }
```

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

```
.border{ border-color:rgb(81, 146, 172) }
```

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

Here you see how a box with a 4 pixel rgb(81, 146, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 146, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 146, 172);  
box-shadow:4px 4px 4px 4px rgb(81, 146,  
172) }
```

Background

The CSS property to change the background color of an element to RGB 81, 146, 172 is called "background".

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

```
.background, #background, body{  
background: rgb(81, 146, 172) }
```

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

```
.background{ background-color: rgb(81, 146,  
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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