

Converting Colors

`RYB(80, 139, 178)`

Have a look what the booklet for
RYB(80, 139, 178) contains.

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Color

$\text{RYB}(80, 139, 178)$

Conversions

Conversions Part 1

Format	Color
Hex	50B291
RGB	80, 178, 145
RGB Percent	31%, 70%, 57%
CMY	0.6863, 0.3020, 0.4322
CMYK	0.55, 0.00, 0.19, 0.30
HSL	160°, 39%, 51%
HSV	160°, 55%, 70%
XYZ	24.3225, 35.5838, 32.2855
YIQ	144.9360, -47.8150, -31.0390

Conversions

Conversions Part 2

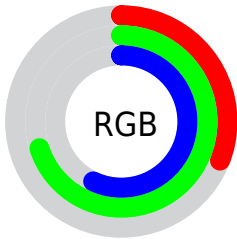
Format	Color
RYB	80, 139, 178
Decimal	5288593
CIELab	66.20, -36.87, 8.36
CIELCh	66, 37.810, 167.227
Yxy	35.5838, 0.2638, 0.3860
Android (android.graphics.Color)	4283478673 (0xFF50B291)
YUV	144.9360, 0.0316, -56.9489
Hunter-Lab	59.6522, -31.6099, 9.6670

Details

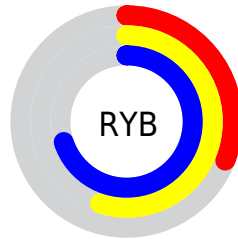
The RYB color **80, 139, 178** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **178, 80, 113**, and the grayscale version is **145, 145, 145**.

A 20% lighter version of the original color is **137, 196, 234**, and **7, 75, 125** is the 20% darker color. If you saturate the color by 10%, you get **62, 132, 178**, and if you desaturate by 10%, it is **98, 146, 178**.

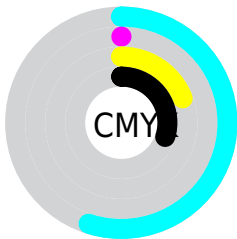
Distribution



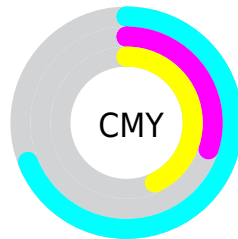
- Red (31%)
- Green (70%)
- Blue (57%)



- Red (31%)
- Yellow (55%)
- Blue (70%)



- Cyan (55%)
- Magenta (0%)
- Yellow (19%)
- Black (30%)



- Cyan (69%)
- Magenta (30%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the RYB color 80, 139, 178 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, 139, 178 by changing the saturation by 10% instead.



80, 139, 178



80, 139, 178

255, 255, 255



50, 110, 151



137, 196, 234



7, 75, 125



165, 218, 255



0, 58, 99



194, 225, 255



0, 45, 74



223, 239, 255



0, 33, 51



252, 254, 255



0, 29, 30



0, 0, 0



80, 139, 178



80, 139, 178



62, 132, 178



98, 146, 178

■ 44, 125, 178

■ 116, 153, 178

■ 27, 118, 178

■ 133, 160, 178

■ 9, 111, 178

■ 151, 167, 178

■ 0, 107, 178

■ 169, 174, 178

■ 187, 178, 181

■ 205, 178, 187

■ 222, 178, 193

■ 240, 178, 199

Harmonies

Analogous

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



114, 173, 162



80, 139, 178



13, 96, 180

Triad

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



80, 139, 178



143, 155, 226



218, 153, 113

Complementary

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



80, 139, 178



178, 80, 113

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.



227, 135, 142



80, 139, 178



189, 145, 207

Square

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



80, 139, 178



83, 137, 227



218, 136, 177



167, 196, 95

Rectangle

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



80, 139, 178



0, 94, 201



218, 136, 177



223, 142, 122

Sweetspot

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



80, 139, 178



193, 216, 232



80, 178, 144



94, 108, 117



245, 245, 245



117, 117, 117

Same Dimension

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



80, 139, 178



79, 171, 232



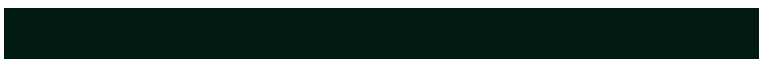
80, 125, 178



80, 85, 89



0, 92, 153



0, 16, 26

Inverse Universe

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



178, 80, 113



232, 79, 131



178, 98, 80



89, 80, 83



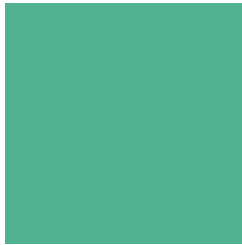
153, 0, 52



26, 0, 9

Previews

White Background



This preview shows how the RYB color 80, 139, 178 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, 139, 178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

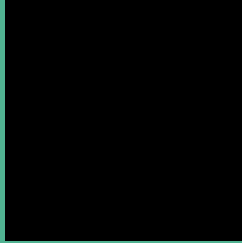
Any Text WCAG AA ✓ Pass

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, 139, 178 Background



This preview shows how black text looks on a background with the R Y B color 80, 139, 178.

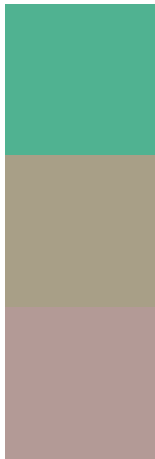


This preview shows how white text looks on a background with the R Y B color 80, 139, 178.

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
80, 139, 178

Protanopia
147, 168, 135

Deuteranopia
179, 155, 150



Tritanopia
93, 136, 186

Trichromacy



Original Color

80, 139, 178



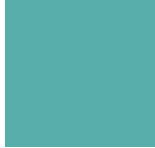
Protanomaly

136, 163, 166



Deuteranomaly

143, 159, 163



Tritanomaly

88, 132, 174

Monochromacy



Original Color

80, 139, 178



Achromatopsia

145, 145, 145



Achromatomaly

121, 143, 157

CSS Examples

Text

The CSS property to change the color of the text to RYB 80, 139, 178 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, 178, 145)` looks like.

```
.text, #text, p{  
    color:rgb(80, 178, 145)  
}
```

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, 178, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 178, 145) }
```

Border

The CSS property to change the border of an element to RYB 80, 139, 178 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, 178, 145) }
```

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

```
.border{ border-color:rgb(80, 178, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 178, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 178, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 178, 145);  
box-shadow:4px 4px 4px 4px rgb(80, 178,  
145) }
```

Background

The CSS property to change the background color of an element to RGB 80, 139, 178 is called "background".

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

```
.background, #background, body{  
background: rgb(80, 178, 145) }
```

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

```
.background{ background-color: rgb(80, 178,  
145) }
```

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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