

Converting Colors

`RYB(80, 127, 176)`

Have a look what the booklet for
RYB(80, 127, 176) contains.

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Color

RYB(80, 127, 176)

Conversions

Conversions Part 1

Format	Color
Hex	50ACB0
RGB	80, 172, 176
RGB Percent	31%, 67%, 69%
CMY	0.6863, 0.3252, 0.3098
CMYK	0.55, 0.02, 0.00, 0.31
HSL	182°, 38%, 50%
HSV	182°, 55%, 69%
XYZ	25.9128, 34.3762, 46.3438
YIQ	144.9480, -56.1160, -18.2600

Conversions

Conversions Part 2

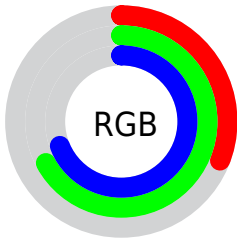
Format	Color
RYB	80, 127, 176
Decimal	5287088
CIELab	65.26, -26.05, -10.34
CIELCh	65, 28.025, 201.652
Yxy	34.3762, 0.2430, 0.3224
Android (android.graphics.Color)	4283477168 (0xFF50ACB0)
YUV	144.9480, 15.3086, -56.9594
Hunter-Lab	58.6312, -23.7143, -5.8227

Details

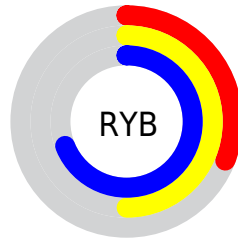
The RYB color **80, 127, 176** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **176, 84, 80**, and the grayscale version is **145, 145, 145**.

A 20% lighter version of the original color is **137, 183, 232**, and **0, 61, 124** is the 20% darker color. If you saturate the color by 10%, you get **62, 118, 176**, and if you desaturate by 10%, it is **98, 136, 176**.

Distribution



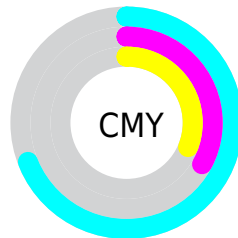
- Red (31%)
- Green (67%)
- Blue (69%)



- Red (31%)
- Yellow (50%)
- Blue (69%)



- Cyan (55%)
- Magenta (2%)
- Yellow (0%)
- Black (31%)





















- Cyan (69%)
- Magenta (33%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 80, 127, 176 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, 127, 176 by changing the saturation by 10% instead.

 80, 127, 176	 80, 127, 176
 255, 255, 255	 49, 98, 149
 137, 183, 232	 0, 61, 124
 166, 211, 255	 0, 48, 99
 195, 225, 255	 0, 36, 75
 224, 240, 255	 0, 25, 52
 254, 255, 255	 0, 15, 31
	 0, 0, 5
	 0, 0, 0
 80, 127, 176	 80, 127, 176

■ 62, 118, 176

■ 98, 136, 176

■ 45, 109, 176

■ 115, 145, 176

■ 27, 100, 176

■ 133, 154, 176

■ 10, 91, 176

■ 150, 163, 176

■ 0, 86, 176

■ 168, 172, 176

■ 186, 176, 176

■ 203, 177, 176

■ 221, 178, 176

■ 238, 179, 176

Harmonies

Analogous

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



100, 142, 172



80, 127, 176



85, 133, 197

Triad

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



80, 127, 176



184, 146, 190



157, 183, 109

Complementary

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



80, 127, 176



176, 84, 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.



201, 158, 120



80, 127, 176



203, 140, 166

Square

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



80, 127, 176



152, 154, 205



209, 141, 141



111, 163, 117

Rectangle

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



80, 127, 176



104, 142, 205



209, 141, 141



184, 190, 111

Sweetspot

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



80, 127, 176



193, 211, 230



80, 173, 176



93, 104, 115



242, 242, 242



115, 115, 115

Same Dimension

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



80, 127, 176



80, 153, 230



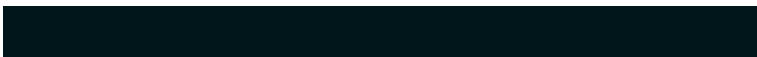
80, 111, 176



80, 85, 89



0, 75, 153



0, 12, 26

Inverse Universe

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



176, 80, 172



230, 80, 223



165, 176, 80



89, 80, 89



153, 0, 147



26, 0, 24

Previews

White Background



This preview shows how the RYB color 80, 127, 176 looks on a white background.

Color Contrast Check

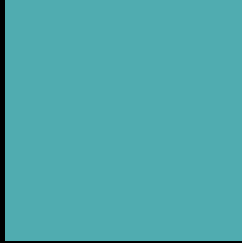
Large Text (above 18pt) WCAG AA × Fail

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, 127, 176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

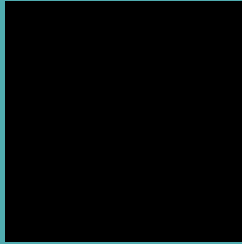
Any Text WCAG AA ✓ Pass

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](#).

RYB 80, 127, 176 Background



This preview shows how black text looks on a background with the RYB color 80, 127, 176.

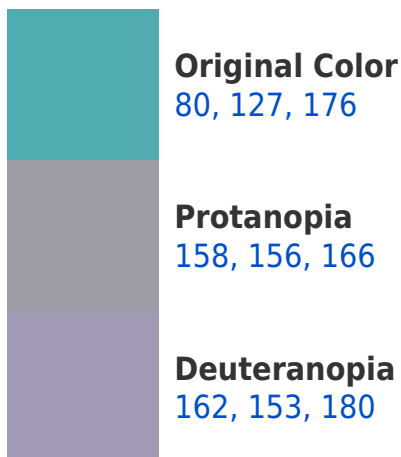


This preview shows how white text looks on a background with the RYB color 80, 127, 176.

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
83, 130, 185

Trichromacy



Original Color

80, 127, 176



Protanomaly

130, 148, 170



Deuteranomaly

132, 150, 179



Tritanomaly

82, 129, 182

Monochromacy



Original Color

80, 127, 176



Achromatopsia

145, 145, 145



Achromatomaly

121, 138, 156

CSS Examples

Text

The CSS property to change the color of the text to RYB 80, 127, 176 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, 172, 176)` looks like.

```
.text, #text, p{  
    color:rgb(80, 172, 176)  
}
```

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, 172, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 172, 176) }
```

Border

The CSS property to change the border of an element to RYB 80, 127, 176 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, 172, 176) }
```

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

```
.border{ border-color:rgb(80, 172, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 172, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 172, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 172, 176);  
box-shadow:4px 4px 4px 4px rgb(80, 172,  
176) }
```

Background

The CSS property to change the background color of an element to RGB 80, 127, 176 is called "background".

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

```
.background, #background, body{  
background: rgb(80, 127, 176) }
```

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

```
.background{ background-color: rgb(80, 127,  
176) }
```

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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