

Converting Colors

`RYB(86, 128, 180)`

Have a look what the booklet for
RYB(86, 128, 180) contains.

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Color

$\text{RYB}(86, 128, 180)$

Conversions

Conversions Part 1

Format	Color
Hex	56A2B4
RGB	86, 162, 180
RGB Percent	34%, 64%, 71%
CMY	0.6627, 0.3650, 0.2941
CMYK	0.52, 0.10, 0.00, 0.29
HSL	192°, 39%, 52%
HSV	192°, 52%, 71%
XYZ	24.9828, 31.0873, 47.8637
YIQ	141.3280, -51.0740, -10.5140

Conversions

Conversions Part 2

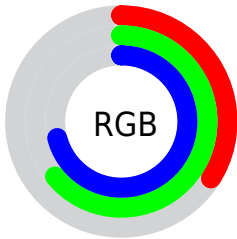
Format	Color
RYB	86, 128, 180
Decimal	5677748
CIELab	62.58, -18.43, -16.59
CIElCh	63, 24.792, 221.990
Yxy	31.0873, 0.2404, 0.2991
Android (android.graphics.Color)	4283867828 (0xFF56A2B4)
YUV	141.3280, 19.0653, -48.5227
Hunter-Lab	55.7560, -17.5919, -11.8683

Details

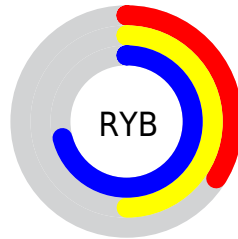
The RYB color **86, 128, 180** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **180, 108, 86**, and the grayscale version is **141, 141, 141**.

A 20% lighter version of the original color is **142, 184, 236**, and **21, 69, 127** is the 20% darker color. If you saturate the color by 10%, you get **68, 118, 180**, and if you desaturate by 10%, it is **104, 138, 180**.

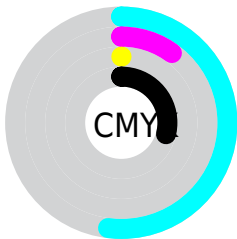
Distribution



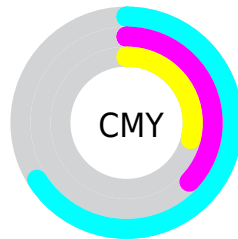
- Red (34%)
- Green (64%)
- Blue (71%)



- Red (34%)
- Yellow (50%)
- Blue (71%)



- Cyan (52%)
- Magenta (10%)
- Yellow (0%)
- Black (29%)




















- Cyan (66%)
- Magenta (37%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the RYB color 86, 128, 180 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 86, 128, 180 by changing the saturation by 10% instead.

 86, 128, 180	 86, 128, 180
 255, 255, 255	 57, 100, 153
 142, 184, 236	 21, 69, 127
 170, 210, 255	 0, 47, 102
 199, 227, 255	 0, 35, 78
 228, 242, 255	 0, 23, 55
	 0, 12, 34
	 0, 0, 9
	 0, 0, 0
 86, 128, 180	 86, 128, 180

■ 68, 118, 180

■ 104, 138, 180

■ 50, 108, 180

■ 122, 148, 180

■ 32, 98, 180

■ 140, 158, 180

■ 14, 88, 180

■ 158, 168, 180

■ 0, 80, 180

■ 176, 178, 180

■ 194, 184, 180

■ 212, 187, 180

■ 230, 193, 180

■ 248, 196, 180

Harmonies

Analogous

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



89, 128, 164



86, 128, 180



106, 138, 193

Triad

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



86, 128, 180



187, 137, 165



114, 158, 108

Complementary

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



86, 128, 180



180, 108, 86

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.



177, 179, 110



86, 128, 180



196, 135, 143

Square

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



86, 128, 180



166, 143, 184



193, 144, 123



118, 159, 143

Rectangle

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



86, 128, 180



126, 145, 195



193, 144, 123



129, 166, 107

Sweetspot

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



86, 128, 180



197, 214, 235



86, 166, 180



95, 105, 117



245, 245, 245



117, 117, 117

Same Dimension

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



86, 128, 180



87, 153, 235



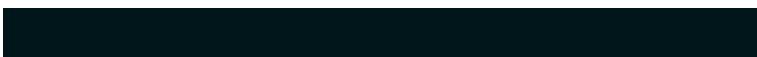
86, 109, 180



80, 84, 89



0, 68, 153



0, 12, 26

Inverse Universe

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



180, 86, 162



235, 87, 206



130, 180, 86



89, 80, 88



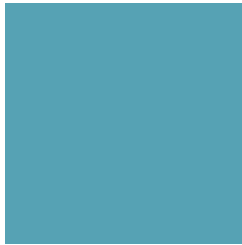
153, 0, 124



26, 0, 21

Previews

White Background



This preview shows how the RYB color 86, 128, 180 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 86, 128, 180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

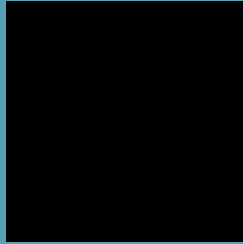
Any Text WCAG AA ✓ Pass

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 86, 128, 180 Background



This preview shows how black text looks on a background with the RYB color 86, 128, 180.

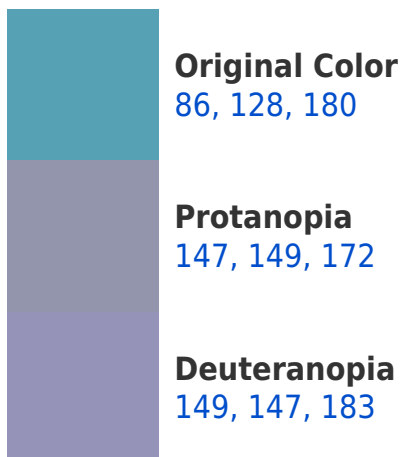


This preview shows how white text looks on a background with the RYB color 86, 128, 180.

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
84, 127, 176

Trichromacy



Original Color

86, 128, 180



Protanomaly

125, 143, 175



Deuteranomaly

126, 144, 182



Tritanomaly

85, 127, 177

Monochromacy



Original Color

86, 128, 180



Achromatopsia

141, 141, 141



Achromatomaly

121, 136, 155

CSS Examples

Text

The CSS property to change the color of the text to RYB 86, 128, 180 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(86, 162, 180)` looks like.

```
.text, #text, p{  
    color:rgb(86, 162, 180)  
}
```

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(86, 162, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 162, 180) }
```

Border

The CSS property to change the border of an element to RYB 86, 128, 180 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(86, 162, 180) }
```

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

```
.border{ border-color:rgb(86, 162, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 162, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 162, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 162, 180);  
box-shadow:4px 4px 4px 4px rgb(86, 162,  
180) }
```

Background

The CSS property to change the background color of an element to RGB 86, 128, 180 is called "background".

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

```
.background, #background, body{  
background: rgb(86, 162, 180) }
```

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

```
.background{ background-color: rgb(86, 162,  
180) }
```

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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