

Converting Colors

`RYB(66, 113, 179)`

Have a look what the booklet for
RYB(66, 113, 179) contains.

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Color

R_YB(66, 113, 179)

Conversions

Conversions Part 1

Format	Color
Hex	4292B3
RGB	66, 146, 179
RGB Percent	26%, 57%, 70%
CMY	0.7412, 0.4256, 0.2980
CMYK	0.63, 0.18, 0.00, 0.30
HSL	197°, 46%, 48%
HSV	197°, 63%, 70%
XYZ	20.7349, 25.1158, 46.4028
YIQ	125.8420, -58.2730, -6.6970

Conversions

Conversions Part 2

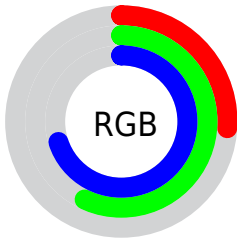
Format	Color
R _Y B	66, 113, 179
Decimal	4362931
CIE Lab	57.19, -14.47, -24.32
CIE LCh	57, 28.301, 239.246
Yxy	25.1158, 0.2248, 0.2722
Android (android.graphics.Color)	4282553011 (0xFF4292B3)
YUV	125.8420, 26.2069, -52.4814
Hunter-Lab	50.1157, -13.8497, -19.8165

Details

The RYB color **66, 113, 179** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **179, 113, 66**, and the grayscale version is **126, 126, 126**.

A 20% lighter version of the original color is **125, 170, 235**, and **0, 54, 126** is the 20% darker color. If you saturate the color by 10%, you get **48, 102, 179**, and if you desaturate by 10%, it is **84, 124, 179**.

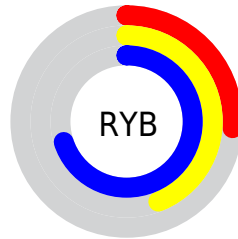
Distribution



Red (26%)

Green (57%)

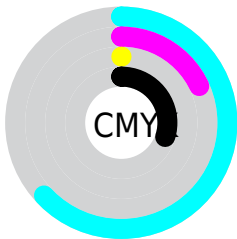
Blue (70%)



Red (26%)

Yellow (44%)

Blue (70%)

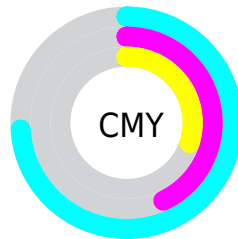


Cyan (63%)

Magenta (18%)

Yellow (0%)

Black (30%)



Cyan (74%)

















Magenta (43%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the RYB color 66, 113, 179 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 66, 113, 179 by changing the saturation by 10% instead.

 66, 113, 179	 66, 113, 179
 255, 255, 255	 31, 83, 152
 125, 170, 235	 0, 54, 126
 153, 197, 255	 0, 42, 101
 182, 219, 255	 0, 30, 77
 211, 233, 255	 0, 19, 54
 241, 248, 255	 0, 2, 33
	 0, 0, 5
	 0, 0, 0

 66, 113, 179	 66, 113, 179
--	--

■ 48, 102, 179

■ 84, 124, 179

■ 30, 92, 179

■ 102, 134, 179

■ 12, 81, 179

■ 120, 145, 179

■ 0, 74, 179

■ 138, 155, 179

■ 155, 165, 179

■ 173, 175, 179

■ 191, 185, 179

■ 209, 192, 179

■ 227, 199, 179

Harmonies

Analogous

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



51, 103, 161



66, 113, 179



103, 129, 186

Triad

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



66, 113, 179



184, 119, 139



94, 143, 108

Complementary

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



66, 113, 179



179, 113, 66

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.



115, 155, 88



66, 113, 179



185, 121, 114

Square

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



66, 113, 179



168, 123, 163



175, 147, 96



100, 139, 148

Rectangle

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



66, 113, 179



128, 133, 184



175, 147, 96



90, 141, 93

Sweetspot

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



66, 113, 179



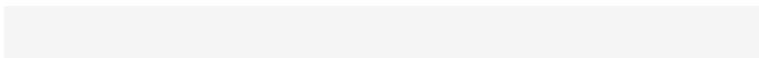
188, 206, 232



66, 154, 179



90, 101, 117



245, 245, 245



117, 117, 117

Same Dimension

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



66, 113, 179



56, 129, 232



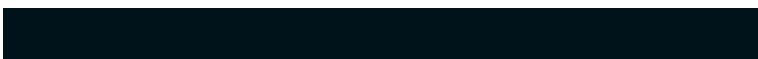
66, 86, 179



80, 84, 89



0, 64, 153



0, 11, 26

Inverse Universe

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



179, 66, 146



232, 56, 181



96, 179, 66



89, 80, 87



153, 0, 109



26, 0, 18

Previews

White Background



This preview shows how the RYB color 66, 113, 179 looks on a white background.

Color Contrast Check

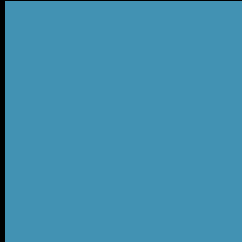
Large Text (above 18pt) WCAG AA ✓ Pass

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 66, 113, 179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

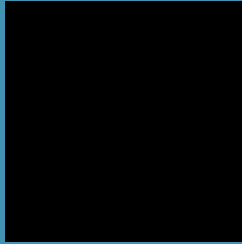
Any Text WCAG AA ✓ Pass

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 66, 113, 179 Background



This preview shows how black text looks on a background with the R Y B color 66, 113, 179.

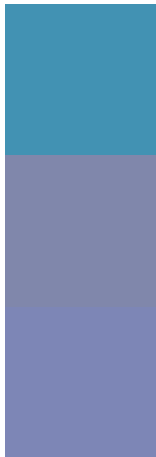


This preview shows how white text looks on a background with the R Y B color 66, 113, 179.

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
66, 113, 179

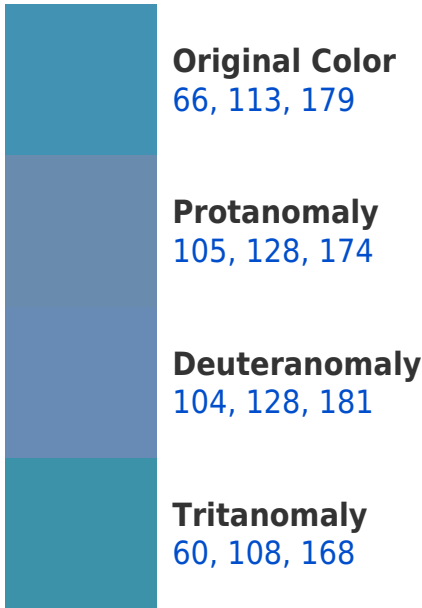
Protanopia
128, 134, 171

Deuteranopia
125, 133, 182

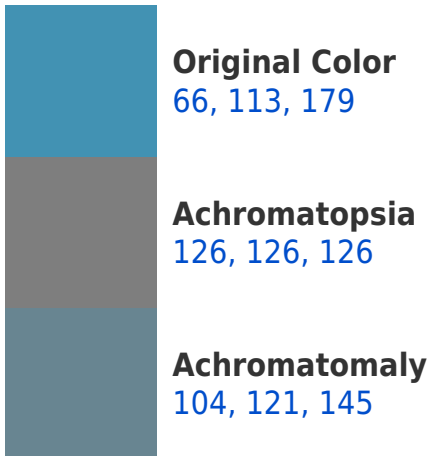


Tritanopia
57, 106, 162

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 66, 113, 179 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(66, 146, 179)` looks like.

```
.text, #text, p{  
    color:rgb(66, 146, 179)  
}
```

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(66, 146, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 146, 179) }
```

Border

The CSS property to change the border of an element to RYB 66, 113, 179 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(66, 146, 179) }
```

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

```
.border{ border-color:rgb(66, 146, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 146, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 146, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 146, 179);  
box-shadow:4px 4px 4px 4px rgb(66, 146,  
179) }
```

Background

The CSS property to change the background color of an element to RYB 66, 113, 179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 146, 179) }
```

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

```
.background{ background-color: rgb(66, 146,  
179) }
```

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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