

Converting Colors

`RYB(6, 71, 163)`

Have a look what the booklet for
RYB(6, 71, 163) contains.

RYB(6, 71, 163)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

`RYB(6, 71, 163)`

Conversions

Conversions Part 1	
Format	Color
Hex	0675A3
RGB	6, 117, 163
RGB Percent	2%, 46%, 64%
CMY	0.9765, 0.5415, 0.3608
CMYK	0.96, 0.28, 0.00, 0.36
HSL	198°, 93%, 33%
HSV	198°, 96%, 64%
XYZ	13.0384, 15.3879, 36.9333
YIQ	89.0550, -80.9220, -9.2260

Conversions

Conversions Part 2

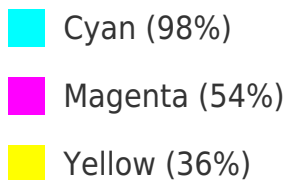
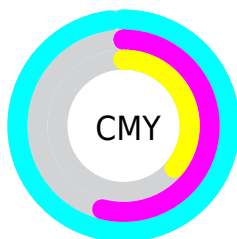
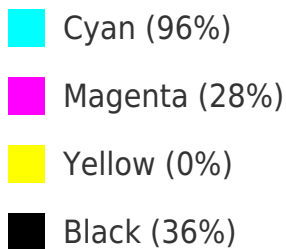
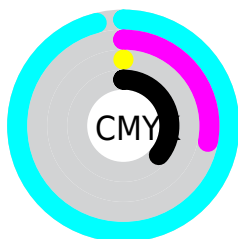
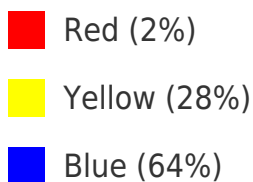
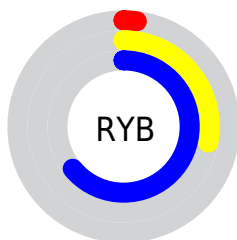
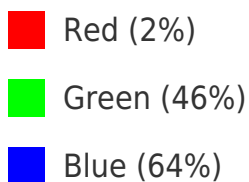
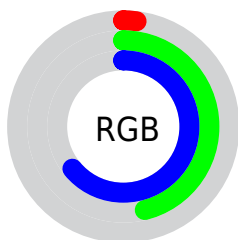
Format	Color
RYB	6, 71, 163
Decimal	423331
CIELab	46.16, -10.07, -32.31
CIELCh	46, 33.839, 252.693
Yxy	15.3879, 0.1995, 0.2354
Android (android.graphics.Color)	4278613411 (0xFF0675A3)
YUV	89.0550, 36.4549, -72.8392
Hunter-Lab	39.2274, -9.3183, -28.3633

Details

The RYB color **6, 71, 163** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **163, 71, 6**, and the grayscale version is **89, 89, 89**.

A 20% lighter version of the original color is **89, 138, 218**, and **0, 43, 111** is the 20% darker color. If you saturate the color by 10%, you get **0, 67, 163**, and if you desaturate by 10%, it is **22, 81, 163**.


Distribution




Brightness & Saturation Gradients

These gradients show how the RYB color 6, 71, 163 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 6, 71, 163 by changing the saturation by 10% instead.

 6, 71, 163

255, 255, 255

 89, 138, 218

 119, 167, 247

 148, 192, 255

 178, 216, 255

 207, 231, 255

 237, 246, 255

 6, 71, 163

 0, 55, 137

 0, 43, 111

 0, 30, 86

 0, 19, 63

 0, 3, 41

 0, 1, 18

 0, 0, 0


 6, 71, 163


 0, 67, 163


 6, 71, 163

 22, 81, 163


 39, 90, 163

 55, 100, 163


 71, 109, 163

 88, 119, 163

 104, 129, 163

 120, 138, 163

 136, 147, 163

 153, 157, 163

Harmonies

Analogous

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



0, 67, 147



6, 71, 163



85, 103, 165

Triad

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



6, 71, 163



163, 86, 98



66, 119, 101

Complementary

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



6, 71, 163



163, 71, 6

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.



55, 115, 52



6, 71, 163



158, 98, 72

Square

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



6, 71, 163



154, 88, 127



126, 141, 55



43, 93, 123

Rectangle

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



6, 71, 163



115, 101, 157



126, 141, 55



60, 117, 82

Sweetspot

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



6, 71, 163



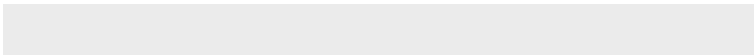
150, 176, 212



6, 129, 163



70, 85, 107



235, 235, 235



107, 107, 107

Same Dimension

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



6, 71, 163



0, 88, 212



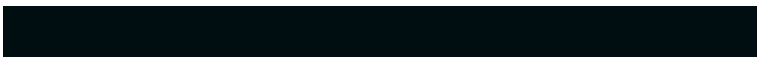
6, 34, 163



73, 77, 82



0, 60, 145



0, 8, 18

Inverse Universe

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



163, 6, 117



212, 0, 150



49, 163, 6



82, 73, 79



145, 0, 103



18, 0, 13

Previews

White Background



This preview shows how the RYB color 6, 71, 163 looks on a white 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

Black Background



This preview shows how the RYB color 6, 71, 163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

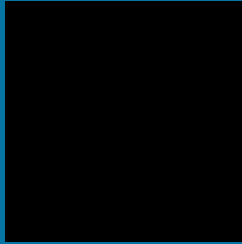
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RVB 6, 71, 163 Background



This preview shows how black text looks on a background with the RYB color 6, 71, 163.

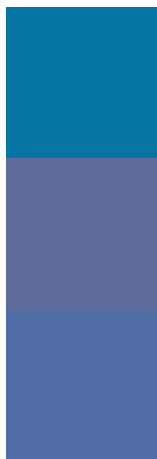


This preview shows how white text looks on a background with the RYB color 6, 71, 163.

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

6, 71, 163

Protanopia

94, 105, 155

Deuteranopia

82, 102, 165



Tritanopia

0, 63, 130

Trichromacy



Original Color

6, 71, 163



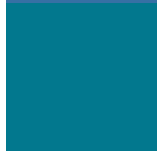
Protanomaly

62, 94, 158



Deuteranomaly

54, 92, 164



Tritanomaly

2, 66, 142

Monochromacy



Original Color

6, 71, 163



Achromatopsia

89, 89, 89



Achromatomaly

59, 83, 116

CSS Examples

Text

The CSS property to change the color of the text to RYB 6, 71, 163 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(6, 117, 163)` looks like.

```
.text, #text, p{  
    color:rgb(6, 117, 163)  
}
```

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(6, 117, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 117, 163) }
```

Border

The CSS property to change the border of an element to RYB 6, 71, 163 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(6, 117, 163) }
```

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

```
.border{ border-color:rgb(6, 117, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 117, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 117, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 117, 163);  
box-shadow:4px 4px 4px 4px rgb(6, 117,  
163) }
```

Background

The CSS property to change the background color of an element to RGB 6, 117, 163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 117, 163) }
```

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

```
.background{ background-color: rgb(6, 117,  
163) }
```

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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