

Converting Colors

`RYB(82, 116, 216)`

Have a look what the booklet for
RYB(82, 116, 216) contains.

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Color

R_YB(82, 116, 216)

Conversions

Conversions Part 1

Format	Color
Hex	5280D8
RGB	82, 128, 216
RGB Percent	32%, 50%, 85%
CMY	0.6784, 0.4998, 0.1529
CMYK	0.62, 0.41, 0.00, 0.15
HSL	220°, 63%, 58%
HSV	220°, 62%, 85%
XYZ	23.5362, 22.0755, 67.9863
YIQ	124.2780, -55.6640, 17.6160

Conversions

Conversions Part 2

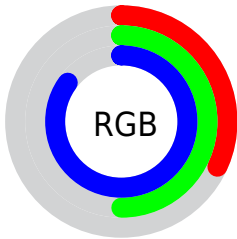
Format	Color
R_{YB}	82, 116, 216
Decimal	5406936
CIE _{Lab}	54.11, 11.80, -50.07
CIE _{LCh}	54, 51.439, 283.256
Yxy	22.0755, 0.2072, 0.1943
Android (android.graphics.Color)	4283597016 (0xFF5280D8)
YUV	124.2780, 45.2189, -37.0778
Hunter-Lab	46.9846, 7.1940, -52.9029

Details

The RYB color **82, 116, 216** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle muted azure. A complement of this color would be **152, 216, 82**, and the grayscale version is **124, 124, 124**.

A 20% lighter version of the original color is **142, 170, 255**, and **0, 53, 161** is the 20% darker color. If you saturate the color by 10%, you get **60, 100, 216**, and if you desaturate by 10%, it is **104, 132, 216**.

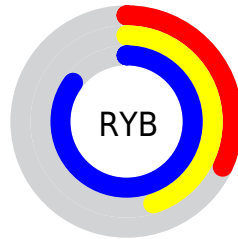
Distribution



Red (32%)

Green (50%)

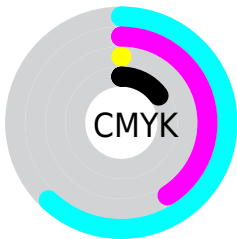
Blue (85%)



Red (32%)

Yellow (45%)

Blue (85%)

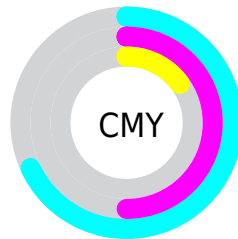


Cyan (62%)

Magenta (41%)

Yellow (0%)

Black (15%)



Cyan (68%)

















Magenta (50%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 82, 116, 216 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 82, 116, 216 by changing the saturation by 10% instead.

 82, 116, 216	 82, 116, 216
 255, 255, 255	 48, 87, 188
 142, 170, 255	 0, 53, 161
 171, 196, 255	 0, 40, 134
 201, 222, 255	 0, 27, 108
 231, 243, 255	 0, 13, 83
	 0, 5, 59
	 0, 2, 37
	 0, 1, 13
	 0, 0, 0

■ 82, 116, 216

■ 82, 116, 216

■ 60, 100, 216

■ 104, 132, 216

■ 39, 84, 216

■ 125, 148, 216

■ 17, 68, 216

■ 147, 164, 216

■ 0, 55, 216

■ 168, 181, 216

■ 190, 197, 216

■ 212, 213, 216

■ 225, 233, 216

■ 236, 255, 216

■ 216, 255, 216

Harmonies

Analogous

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



0, 85, 214



82, 116, 216



157, 109, 194

Triad

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



82, 116, 216



201, 111, 70



0, 88, 149

Complementary

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



82, 116, 216



152, 216, 82

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.



61, 144, 120



82, 116, 216



136, 174, 40

Square

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



82, 116, 216



211, 89, 111



36, 134, 35



0, 76, 151

Rectangle

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



82, 116, 216



187, 97, 170



36, 134, 35



28, 108, 148

Sweetspot

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



82, 116, 216



207, 219, 255



82, 163, 216



98, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



82, 116, 216



66, 114, 255



102, 82, 216



96, 99, 107



0, 43, 171



0, 11, 43

Inverse Universe

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



216, 82, 128



255, 66, 130



82, 216, 102



107, 96, 100



171, 0, 58



43, 0, 15

Previews

White Background



This preview shows how the RYB color 82, 116, 216 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 82, 116, 216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

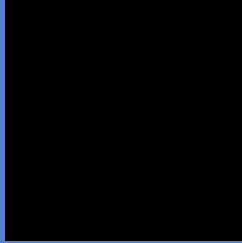
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

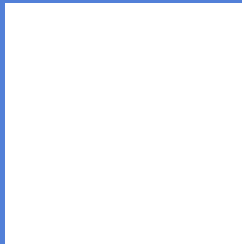
Any Text WCAG AAA × Fail

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

RYB 82, 116, 216 Background



This preview shows how black text looks on a background with the RYB color 82, 116, 216.



This preview shows how white text looks on a background with the RYB color 82, 116, 216.

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

82, 116, 216

Protanopia

92, 119, 214

Deuteranopia

70, 112, 215

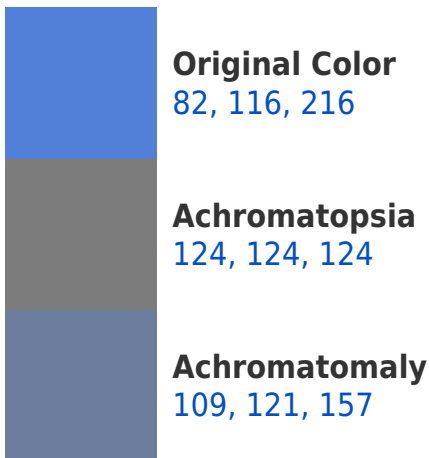


Tritanopia
50, 98, 153

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 82, 116, 216 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(82, 128, 216)` looks like.

```
.text, #text, p{  
    color:rgb(82, 128, 216)  
}
```

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(82, 128, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 128, 216) }
```

Border

The CSS property to change the border of an element to RYB 82, 116, 216 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(82, 128, 216) }
```

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

```
.border{ border-color:rgb(82, 128, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 128, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 128, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 128, 216);  
box-shadow:4px 4px 4px 4px rgb(82, 128,  
216) }
```

Background

The CSS property to change the background color of an element to RGB 82, 128, 216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 128, 216) }
```

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

```
.background{ background-color: rgb(82, 128,  
216) }
```

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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