

Converting Colors

`RYB(77, 113, 205)`

Have a look what the booklet for
RYB(77, 113, 205) contains.

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Color

R_YB(77, 113, 205)

Conversions

Conversions Part 1

Format	Color
Hex	4D7FCD
RGB	77, 127, 205
RGB Percent	30%, 50%, 80%
CMY	0.6980, 0.5016, 0.1961
CMYK	0.62, 0.38, 0.00, 0.20
HSL	217°, 56%, 55%
HSV	217°, 62%, 80%
XYZ	21.6806, 21.1868, 60.7044
YIQ	120.9420, -54.8380, 13.6580

Conversions

Conversions Part 2

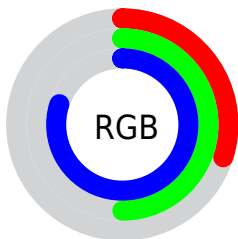
Format	Color
R _Y B	77, 113, 205
Decimal	5078989
CIE Lab	53.15, 7.43, -45.38
CIE LCh	53, 45.982, 279.296
Yxy	21.1868, 0.2093, 0.2046
Android (android.graphics.Color)	4283269069 (0xFF4D7FCD)
YUV	120.9420, 41.4406, -38.5371
Hunter-Lab	46.0291, 3.5261, -45.9728

Details

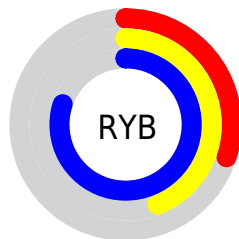
The RYB color **77, 113, 205** is a dark color, and the websafe version is hex **6699FF**. The color can be described as dark muted azure. A complement of this color would be **159, 205, 77**, and the grayscale version is **121, 121, 121**.

A 20% lighter version of the original color is **136, 168, 255**, and **0, 52, 150** is the 20% darker color. If you saturate the color by 10%, you get **57, 99, 205**, and if you desaturate by 10%, it is **98, 128, 205**.

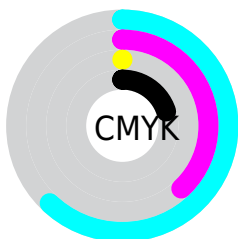
Distribution



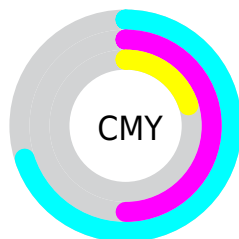
- Red (30%)
- Green (50%)
- Blue (80%)



- Red (30%)
- Yellow (44%)
- Blue (80%)



- Cyan (62%)
- Magenta (38%)
- Yellow (0%)
- Black (20%)





















- Cyan (70%)
- Magenta (50%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 77, 113, 205 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 77, 113, 205 by changing the saturation by 10% instead.

 77, 113, 205	 77, 113, 205
 255, 255, 255	 43, 84, 177
 136, 168, 255	 0, 52, 150
 165, 194, 255	 0, 39, 124
 195, 219, 255	 0, 26, 99
 224, 240, 255	 0, 12, 74
 254, 255, 255	 0, 4, 51
	 0, 2, 29
	 0, 0, 0
 77, 113, 205	 77, 113, 205

■ 57, 99, 205

■ 98, 128, 205

■ 36, 83, 205

■ 118, 142, 205

■ 16, 69, 205

■ 139, 158, 205

■ 0, 58, 205

■ 159, 172, 205

■ 180, 187, 205

■ 200, 201, 205

■ 217, 221, 205

■ 228, 241, 205

■ 229, 255, 205

Harmonies

Analogous

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



0, 82, 200



77, 113, 205



146, 111, 188

Triad

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



77, 113, 205



194, 105, 79



24, 99, 145

Complementary

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



77, 113, 205



159, 205, 77

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.



63, 139, 107



77, 113, 205



156, 171, 51

Square

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



77, 113, 205



200, 92, 116



53, 137, 44



0, 76, 147

Rectangle

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



77, 113, 205



174, 101, 168



53, 137, 44



57, 122, 143

Sweetspot

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



77, 113, 205



207, 221, 255



77, 157, 205



98, 107, 128



0, 0, 0



128, 128, 128

Same Dimension

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



77, 113, 205



64, 118, 255



90, 77, 205



92, 95, 102



0, 47, 166



0, 11, 38

Inverse Universe

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



205, 77, 127



255, 64, 139



77, 205, 90



102, 92, 96



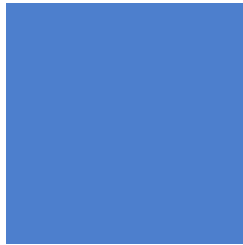
166, 0, 65



38, 0, 15

Previews

White Background



This preview shows how the RYB color 77, 113, 205 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 77, 113, 205 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 77, 113, 205 Background



This preview shows how black text looks on a background with the R Y B color 77, 113, 205.

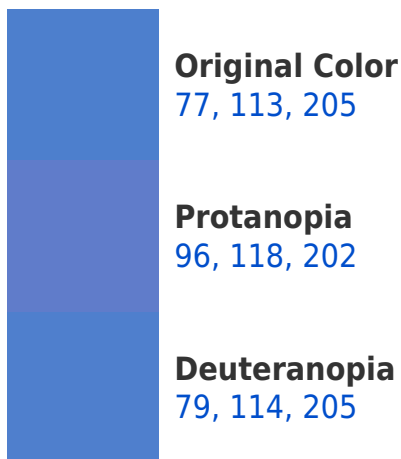


This preview shows how white text looks on a background with the R Y B color 77, 113, 205.

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
49, 97, 150

Trichromacy



Original Color

77, 113, 205

Protanomaly

89, 116, 203

Deuteranomaly

78, 113, 205

Tritanomaly

59, 104, 170

Monochromacy



Original Color

77, 113, 205

Achromatopsia

121, 121, 121

Achromatomaly

105, 118, 152

CSS Examples

Text

The CSS property to change the color of the text to RYB 77, 113, 205 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(77, 127, 205)` looks like.

```
.text, #text, p{  
    color:rgb(77, 127, 205)  
}
```

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(77, 127, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 127, 205) }
```

Border

The CSS property to change the border of an element to RYB 77, 113, 205 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(77, 127, 205) }
```

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

```
.border{ border-color:rgb(77, 127, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 127, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 127, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 127, 205);  
box-shadow:4px 4px 4px 4px rgb(77, 127,  
205) }
```

Background

The CSS property to change the background color of an element to RYB 77, 113, 205 is called "background".

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

```
.background, #background, body{  
background: rgb(77, 127, 205) }
```

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

```
.background{ background-color: rgb(77, 127,  
205) }
```

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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