

Converting Colors

`RYB(61, 76, 204)`

Have a look what the booklet for
RYB(61, 76, 204) contains.

RYB(61, 76, 204)	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

R_YB(61, 76, 204)

Conversions

Conversions Part 1

Format	Color
Hex	3D4ECC
RGB	61, 78, 204
RGB Percent	24%, 31%, 80%
CMY	0.7608, 0.6951, 0.2000
CMYK	0.70, 0.62, 0.00, 0.20
HSL	233°, 58%, 52%
HSV	233°, 70%, 80%
XYZ	15.5308, 10.7662, 58.3863
YIQ	87.2810, -50.5780, 35.5820

Conversions

Conversions Part 2

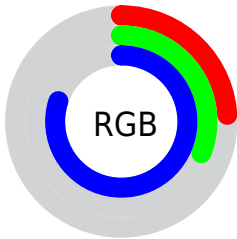
Format	Color
R _Y B	61, 76, 204
Decimal	4017868
CIE Lab	39.18, 35.49, -67.34
CIE LCh	39, 76.120, 297.790
Yxy	10.7662, 0.1834, 0.1271
Android (android.graphics.Color)	4282207948 (0xFF3D4ECC)
YUV	87.2810, 57.5425, -23.0484
Hunter-Lab	32.8118, 27.0684, -82.5340

Details

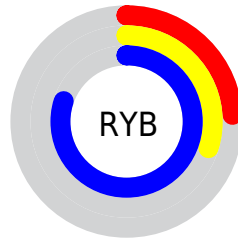
The RYB color **61, 76, 204** is a dark color, and the websafe version is hex **333399**. The color can be described as dark muted blue. A complement of this color would be **80, 204, 61**, and the grayscale version is **87, 87, 87**.

A 20% lighter version of the original color is **126, 127, 255**, and **0, 28, 149** is the 20% darker color. If you saturate the color by 10%, you get **41, 58, 204**, and if you desaturate by 10%, it is **81, 94, 204**.

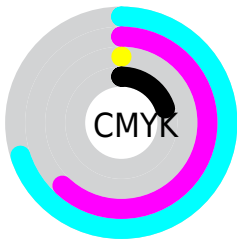
Distribution



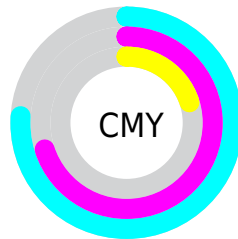
- Red (24%)
- Green (31%)
- Blue (80%)



- Red (24%)
- Yellow (30%)
- Blue (80%)



- Cyan (70%)
- Magenta (62%)
- Yellow (0%)
- Black (20%)





















- Cyan (76%)
- Magenta (70%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 61, 76, 204 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 61, 76, 204 by changing the saturation by 10% instead.

 61, 76, 204	 61, 76, 204
 255, 255, 255	 7, 44, 176
 126, 127, 255	 0, 28, 149
 156, 153, 255	 0, 13, 122
 186, 180, 255	 0, 0, 96
 216, 207, 255	 0, 7, 71
 247, 235, 255	 0, 4, 48
	 0, 1, 26
	 0, 0, 0
 61, 76, 204	 61, 76, 204

■ 41, 58, 204

■ 81, 94, 204

■ 20, 40, 204

■ 102, 113, 204

■ 0, 21, 204

■ 122, 131, 204

■ 143, 149, 204

■ 163, 167, 204

■ 183, 186, 204

■ 204, 204, 204

■ 206, 224, 204

■ 210, 245, 204

Harmonies

Analogous

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



0, 70, 219



61, 76, 204



159, 29, 160

Triad

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



61, 76, 204



163, 90, 0



0, 67, 116

Complementary

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



61, 76, 204



80, 204, 61

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.



0, 102, 113



61, 76, 204



37, 117, 0

Square

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



61, 76, 204



191, 0, 39



0, 105, 50



0, 66, 149

Rectangle

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



61, 76, 204



186, 0, 120



0, 105, 50



0, 74, 115

Sweetspot

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



61, 76, 204



201, 207, 255



61, 138, 204



96, 99, 128



0, 0, 0



128, 128, 128

Same Dimension

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



61, 76, 204



41, 63, 255



113, 61, 204



92, 93, 102



0, 17, 166



0, 4, 38

Inverse Universe

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



204, 61, 78



255, 41, 66



61, 204, 113



102, 92, 93



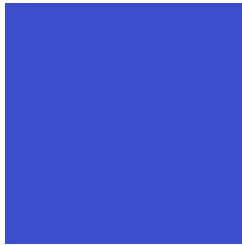
166, 0, 19



38, 0, 4

Previews

White Background



This preview shows how the RYB color 61, 76, 204 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 61, 76, 204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

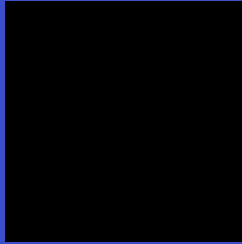
Any Text WCAG AA × Fail

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](#).

R_YB 61, 76, 204 Background



This preview shows how black text looks on a background with the R_YB color 61, 76, 204.

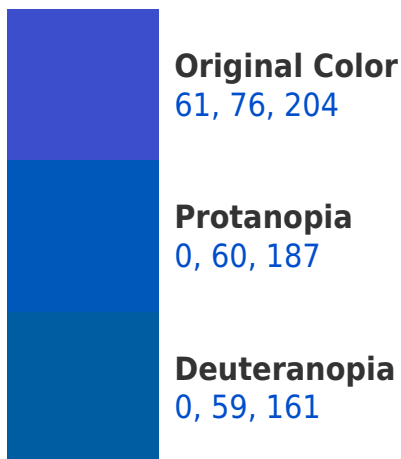


This preview shows how white text looks on a background with the R_YB color 61, 76, 204.

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
0, 53, 109

Trichromacy



Original Color

61, 76, 204

Protanomaly

22, 68, 193

Deuteranomaly

22, 68, 177

Tritanomaly

22, 67, 144

Monochromacy



Original Color

61, 76, 204

Achromatopsia

87, 87, 87

Achromatomaly

78, 83, 130

CSS Examples

Text

The CSS property to change the color of the text to RYB 61, 76, 204 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(61, 78, 204)` looks like.

```
.text, #text, p{  
    color:rgb(61, 78, 204)  
}
```

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(61, 78, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 78, 204) }
```

Border

The CSS property to change the border of an element to RYB 61, 76, 204 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(61, 78, 204) }
```

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

```
.border{ border-color:rgb(61, 78, 204) }
```

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

Here you see how a box with a 4 pixel rgb(61, 78, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 78, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 78, 204);  
box-shadow:4px 4px 4px 4px rgb(61, 78,  
204) }
```

Background

The CSS property to change the background color of an element to RYB 61, 76, 204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 78, 204) }
```

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

```
.background{ background-color: rgb(61, 78,  
204) }
```

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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