

Converting Colors

`RYB(48, 62, 240)`

Have a look what the booklet for
RYB(48, 62, 240) contains.

RYB(48, 62, 240)	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(48, 62, 240)

Conversions

Conversions Part 1

Format	Color
Hex	303FF0
RGB	48, 63, 240
RGB Percent	19%, 25%, 94%
CMY	0.8118, 0.7525, 0.0588
CMYK	0.80, 0.74, 0.00, 0.06
HSL	235°, 86%, 56%
HSV	235°, 80%, 94%
XYZ	18.7302, 10.4859, 83.4749
YIQ	78.6930, -65.7570, 51.8670

Conversions

Conversions Part 2

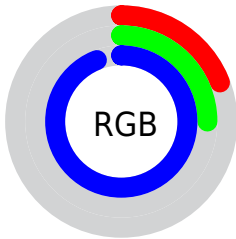
Format	Color
R_{YB}	48, 62, 240
Decimal	3162096
CIE _{Lab}	38.70, 55.18, -88.74
CIE _{LCh}	39, 104.495, 301.877
Yxy	10.4859, 0.1662, 0.0930
Android (android.graphics.Color)	4281352176 (0xFF303FF0)
YUV	78.6930, 79.5244, -26.9178
Hunter-Lab	32.3819, 46.5790, -130.1719

Details

The RYB color **48, 62, 240** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **64, 240, 48**, and the grayscale version is **78, 78, 78**.

A 20% lighter version of the original color is **127, 112, 255**, and **0, 16, 182** is the 20% darker color. If you saturate the color by 10%, you get **24, 40, 240**, and if you desaturate by 10%, it is **72, 84, 240**.

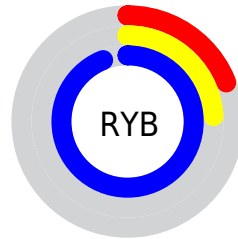
Distribution



 Red (19%)

 Green (25%)

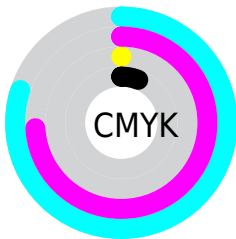
 Blue (94%)




 Red (19%)

 Yellow (24%)

 Blue (94%)

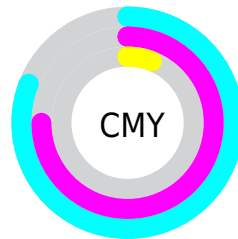


 Cyan (80%)

 Magenta (74%)

 Yellow (0%)

 Black (6%)



 Cyan (81%)



















 Magenta (75%)

 Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 48, 62, 240 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 48, 62, 240 by changing the saturation by 10% instead.

 48, 62, 240	 48, 62, 240
 255, 255, 255	 0, 34, 211
 127, 113, 255	 0, 16, 182
 160, 139, 255	 0, 0, 155
 192, 165, 255	 0, 0, 128
 224, 193, 255	 0, 11, 101
 255, 221, 255	 0, 8, 76
 255, 250, 255	 0, 5, 52
	 0, 2, 30
	 0, 0, 1

■ 48, 62, 240

■ 48, 62, 240

■ 24, 40, 240

■ 72, 84, 240

■ 0, 18, 240

■ 96, 106, 240

■ 120, 128, 240

■ 144, 151, 240

■ 168, 174, 240

■ 192, 196, 240

■ 216, 218, 240

■ 240, 240, 240

■ 240, 255, 240

Harmonies

Analogous

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



0, 74, 255



48, 62, 240



189, 0, 173

Triad

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



48, 62, 240



171, 61, 0



0, 66, 119

Complementary

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



48, 62, 240



64, 240, 48

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, 116, 116



48, 62, 240



19, 107, 0

Square

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



48, 62, 240



215, 0, 5



0, 109, 109



0, 73, 181

Rectangle

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



48, 62, 240



220, 0, 118



0, 109, 109



0, 77, 118

Sweetspot

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



48, 62, 240



194, 199, 255



48, 148, 240



91, 93, 128



0, 0, 0



128, 128, 128

Same Dimension

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



48, 62, 240



10, 28, 255



128, 48, 240



108, 109, 120



0, 13, 184



0, 4, 56

Inverse Universe

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



240, 48, 63



255, 10, 29



48, 240, 128



120, 108, 109



184, 0, 14



56, 0, 4

Previews

White Background



This preview shows how the RYB color 48, 62, 240 looks on a white background.

Color Contrast Check

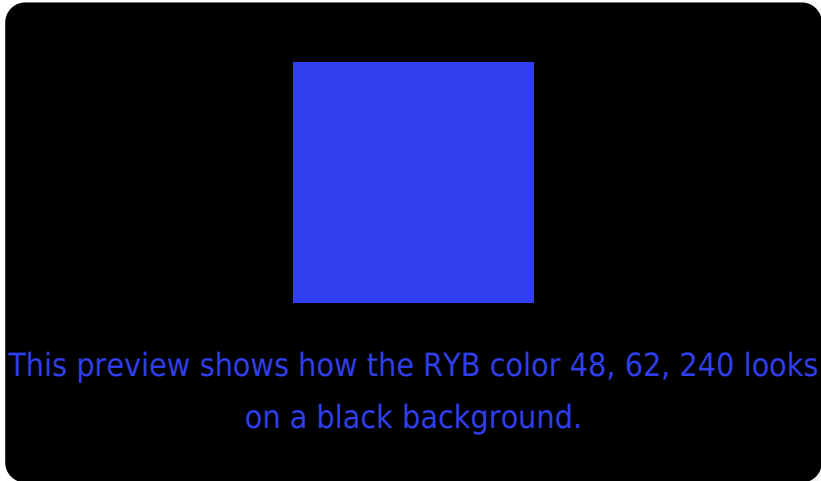
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

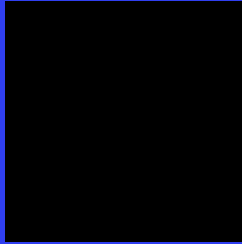
Any Text WCAG AA × Fail

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](#).

RYP 48, 62, 240 Background



This preview shows how black text looks on a background with the RYP color 48, 62, 240.



This preview shows how white text looks on a background with the RYP color 48, 62, 240.

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

48, 62, 240

Protanopia

0, 59, 183

Deuteranopia

0, 58, 156



Tritanopia
0, 51, 106

Trichromacy



Original Color

48, 62, 240

Protanomaly

17, 63, 204

Deuteranomaly

17, 64, 187

Tritanomaly

17, 63, 155

Monochromacy



Original Color

48, 62, 240

Achromatopsia

79, 79, 79

Achromatomaly

68, 73, 138

CSS Examples

Text

The CSS property to change the color of the text to RYB 48, 62, 240 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(48, 63, 240)` looks like.

```
.text, #text, p{  
    color:rgb(48, 63, 240)  
}
```

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(48, 63, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 63, 240) }
```

Border

The CSS property to change the border of an element to RYB 48, 62, 240 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(48, 63, 240) }
```

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

```
.border{ border-color:rgb(48, 63, 240) }
```

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

Here you see how a box with a 4 pixel rgb(48, 63, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 63, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 63, 240);  
box-shadow:4px 4px 4px 4px rgb(48, 63,  
240) }
```

Background

The CSS property to change the background color of an element to RYB 48, 62, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 63, 240) }
```

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

```
.background{ background-color: rgb(48, 63,  
240) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor