

Converting Colors

`RYB(67, 84, 164)`

Have a look what the booklet for
RYB(67, 84, 164) contains.

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Color

R_YB(67, 84, 164)

Conversions

Conversions Part 1

Format	Color
Hex	4358A4
RGB	67, 88, 164
RGB Percent	26%, 35%, 64%
CMY	0.7373, 0.6564, 0.3569
CMYK	0.59, 0.47, 0.00, 0.36
HSL	227°, 42%, 45%
HSV	227°, 59%, 64%
XYZ	12.4736, 10.7896, 36.5471
YIQ	90.3850, -36.9120, 19.1840

Conversions

Conversions Part 2

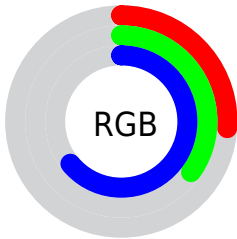
Format	Color
R_{YB}	67, 84, 164
Decimal	4413604
CIE _{Lab}	39.22, 16.06, -43.78
CIE _{LCh}	39, 46.631, 290.140
Yxy	10.7896, 0.2086, 0.1804
Android (android.graphics.Color)	4282603684 (0xFF4358A4)
YUV	90.3850, 36.2922, -20.5086
Hunter-Lab	32.8476, 10.3006, -42.9745

Details

The RYB color **67, 84, 164** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **94, 164, 67**, and the grayscale version is **90, 90, 90**.

A 20% lighter version of the original color is **123, 136, 220**, and **0, 31, 112** is the 20% darker color. If you saturate the color by 10%, you get **51, 71, 164**, and if you desaturate by 10%, it is **83, 98, 164**.

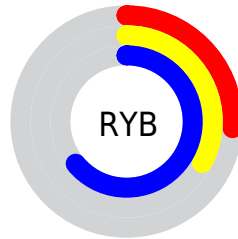
Distribution



 Red (26%)

 Green (35%)

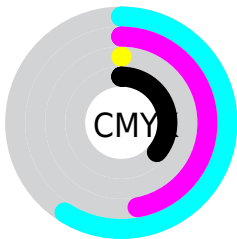
 Blue (64%)




 Red (26%)

 Yellow (33%)

 Blue (64%)

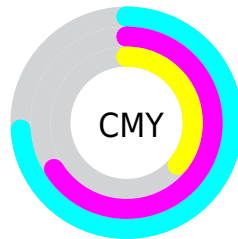


 Cyan (59%)

 Magenta (47%)

 Yellow (0%)

 Black (36%)



 Cyan (74%)

 Magenta (66%)

 Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 67, 84, 164 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 67, 84, 164 by changing the saturation by 10% instead.



67, 84, 164



67, 84, 164

255, 255, 255



36, 59, 137



123, 135, 220



0, 31, 112



151, 162, 248



0, 18, 87



179, 189, 255



0, 0, 63



208, 216, 255



0, 3, 40



237, 243, 255



0, 1, 18



0, 0, 0



67, 84, 164



67, 84, 164



51, 71, 164



83, 98, 164

■ 34, 57, 164

■ 100, 111, 164

■ 18, 44, 164

■ 116, 124, 164

■ 1, 30, 164

■ 133, 138, 164

■ 0, 29, 164

■ 149, 152, 164

■ 164, 165, 164

■ 169, 182, 164

■ 173, 198, 164

■ 178, 215, 164

Harmonies

Analogous

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



0, 63, 167



67, 84, 164



126, 71, 141

Triad

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



67, 84, 164



147, 87, 34



0, 64, 109

Complementary

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



67, 84, 164



94, 164, 67

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.



38, 104, 106



67, 84, 164



57, 122, 5

Square

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



67, 84, 164



160, 57, 69



7, 98, 18



0, 57, 117

Rectangle

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



67, 84, 164



147, 60, 119



7, 98, 18



0, 67, 108

Sweetspot

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



67, 84, 164



176, 183, 214



67, 121, 164



84, 88, 107



235, 235, 235



107, 107, 107

Same Dimension

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



67, 84, 164



62, 88, 214



94, 67, 164



73, 75, 82



0, 26, 145



0, 3, 18

Inverse Universe

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



164, 67, 88



214, 62, 94



67, 164, 94



82, 73, 75



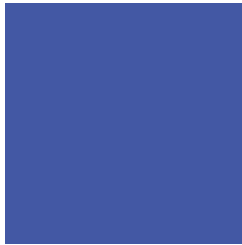
145, 0, 31



18, 0, 4

Previews

White Background



This preview shows how the RYB color 67, 84, 164 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 67, 84, 164 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 Y B 67, 84, 164 Background



This preview shows how black text looks on a background with the R Y B color 67, 84, 164.



This preview shows how white text looks on a background with the R Y B color 67, 84, 164.

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

67, 84, 164

Protanopia

55, 82, 166

Deuteranopia

30, 73, 163



Tritanopia

43, 73, 108

Trichromacy



Original Color

67, 84, 164

Protanomaly

59, 82, 165

Deuteranomaly

43, 77, 163

Tritanomaly

52, 79, 128

Monochromacy



Original Color

67, 84, 164

Achromatopsia

90, 90, 90

Achromatomaly

82, 88, 117

CSS Examples

Text

The CSS property to change the color of the text to RYB 67, 84, 164 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(67, 88, 164)` looks like.

```
.text, #text, p{  
    color:rgb(67, 88, 164)  
}
```

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(67, 88, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 88, 164) }
```

Border

The CSS property to change the border of an element to RYB 67, 84, 164 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(67, 88, 164) }
```

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

```
.border{ border-color:rgb(67, 88, 164) }
```

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

Here you see how a box with a 4 pixel rgb(67, 88, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 88, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 88, 164);  
box-shadow:4px 4px 4px 4px rgb(67, 88,  
164) }
```

Background

The CSS property to change the background color of an element to RYB 67, 84, 164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 88, 164) }
```

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

```
.background{ background-color: rgb(67, 88,  
164) }
```

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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