

Converting Colors

R_YB(68, 94, 149)

Have a look what the booklet for
RYB(68, 94, 149) contains.

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Color

R_YB(68, 94, 149)

Conversions

Conversions Part 1

Format	Color
Hex	446A95
RGB	68, 106, 149
RGB Percent	27%, 42%, 58%
CMY	0.7333, 0.5832, 0.4157
CMYK	0.54, 0.29, 0.00, 0.42
HSL	212°, 37%, 43%
HSV	212°, 54%, 58%
XYZ	12.9928, 13.7670, 30.4063
YIQ	99.5400, -36.4510, 5.3170

Conversions

Conversions Part 2

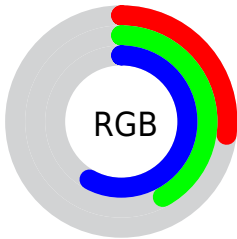
Format	Color
R_{YB}	68, 94, 149
Decimal	4483733
CIE _{Lab}	43.90, -0.61, -27.46
CIE _{LCh}	44, 27.463, 268.730
Yxy	13.7670, 0.2273, 0.2408
Android (android.graphics.Color)	4282673813 (0xFF446A95)
YUV	99.5400, 24.3838, -27.6606
Hunter-Lab	37.1039, -2.4260, -22.6148

Details

The RYB color **68, 94, 149** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **140, 149, 68**, and the grayscale version is **100, 100, 100**.

A 20% lighter version of the original color is **121, 146, 203**, and **3, 38, 98** is the 20% darker color. If you saturate the color by 10%, you get **53, 84, 149**, and if you desaturate by 10%, it is **83, 104, 149**.

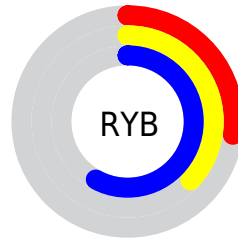
Distribution



Red (27%)

Green (42%)

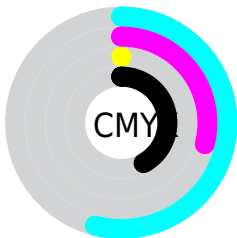
Blue (58%)



Red (27%)

Yellow (37%)

Blue (58%)

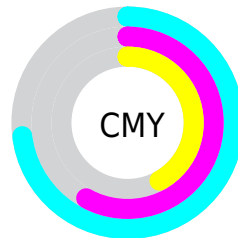


Cyan (54%)

Magenta (29%)

Yellow (0%)

Black (42%)



Cyan (73%)

Magenta (58%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the RYB color 68, 94, 149 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 68, 94, 149 by changing the saturation by 10% instead.

■ 68, 94, 149

■ 68, 94, 149

255, 255, 255

■ 40, 68, 123

■ 121, 146, 203

■ 3, 38, 98

■ 149, 174, 232

■ 0, 25, 74

■ 176, 201, 255

■ 0, 13, 51

■ 205, 226, 255

■ 0, 2, 30

■ 234, 245, 255

■ 0, 0, 0

■ 68, 94, 149

■ 68, 94, 149

■ 53, 84, 149

■ 83, 104, 149

■ 38, 74, 149

■ 98, 114, 149

■ 23, 64, 149

■ 113, 125, 149

■ 8, 53, 149

■ 128, 135, 149

■ 0, 48, 149

■ 143, 145, 149

■ 157, 157, 149

■ 170, 172, 149

■ 183, 187, 149

■ 196, 202, 149

Harmonies

Analogous

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



22, 73, 142



68, 94, 149



105, 98, 144

Triad

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



68, 94, 149



147, 88, 83



69, 106, 114

Complementary

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



68, 94, 149



140, 149, 68

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, 109, 76



68, 94, 149



137, 114, 65

Square

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



68, 94, 149



146, 86, 106



82, 119, 58



36, 80, 116

Rectangle

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



68, 94, 149



124, 93, 134



82, 119, 58



73, 112, 107

Sweetspot

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



68, 94, 149



163, 173, 194



68, 121, 149



78, 84, 97



224, 224, 224



97, 97, 97

Same Dimension

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



68, 94, 149



68, 108, 194



69, 68, 149



67, 69, 74



0, 44, 138



0, 3, 10

Inverse Universe

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



149, 68, 106



194, 68, 127



68, 149, 69



74, 67, 70



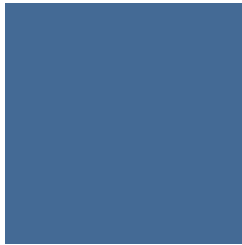
138, 0, 65



10, 0, 5

Previews

White Background



This preview shows how the RYB color 68, 94, 149 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 68, 94, 149 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](#).

RYP 68, 94, 149 Background



This preview shows how black text looks on a background with the RYP color 68, 94, 149.



This preview shows how white text looks on a background with the RYP color 68, 94, 149.

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

68, 94, 149

Protanopia

90, 100, 145

Deuteranopia

85, 99, 150



Tritanopia
58, 87, 121

Trichromacy



Original Color

68, 94, 149

Protanomaly

82, 98, 146

Deuteranomaly

79, 97, 150

Tritanomaly

62, 90, 131

Monochromacy



Original Color

68, 94, 149

Achromatopsia

100, 100, 100

Achromatomaly

88, 98, 118

CSS Examples

Text

The CSS property to change the color of the text to RYB 68, 94, 149 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(68, 106, 149)` looks like.

```
.text, #text, p{  
    color:rgb(68, 106, 149)  
}
```

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(68, 106, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 106, 149) }
```

Border

The CSS property to change the border of an element to RYB 68, 94, 149 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(68, 106, 149) }
```

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

```
.border{ border-color:rgb(68, 106, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 106, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 106, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 106, 149);  
box-shadow:4px 4px 4px 4px rgb(68, 106,  
149) }
```

Background

The CSS property to change the background color of an element to RYB 68, 94, 149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 106, 149) }
```

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

```
.background{ background-color: rgb(68, 106,  
149) }
```

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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