

Converting Colors

R_YB(69, 91, 148)

Have a look what the booklet for
RYB(69, 91, 148) contains.

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Color

R_YB(69, 91, 148)

Conversions

Conversions Part 1

Format	Color
Hex	456394
RGB	69, 99, 148
RGB Percent	27%, 39%, 58%
CMY	0.7294, 0.6098, 0.4196
CMYK	0.53, 0.33, 0.00, 0.42
HSL	217°, 36%, 43%
HSV	217°, 53%, 58%
XYZ	12.3081, 12.4204, 29.7656
YIQ	95.6160, -33.6090, 8.8790

Conversions

Conversions Part 2

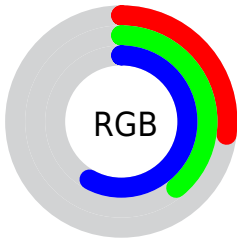
Format	Color
R_{YB}	69, 91, 148
Decimal	4547476
CIE _{Lab}	41.88, 3.49, -30.01
CIE _{LCh}	42, 30.217, 276.638
Yxy	12.4204, 0.2259, 0.2279
Android (android.graphics.Color)	4282737556 (0xFF456394)
YUV	95.6160, 25.8253, -23.3422
Hunter-Lab	35.2425, 0.6646, -25.4062

Details

The RYB color **69, 91, 148** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **117, 148, 69**, and the grayscale version is **96, 96, 96**.

A 20% lighter version of the original color is **122, 143, 202**, and **6, 37, 97** is the 20% darker color. If you saturate the color by 10%, you get **54, 80, 148**, and if you desaturate by 10%, it is **84, 102, 148**.

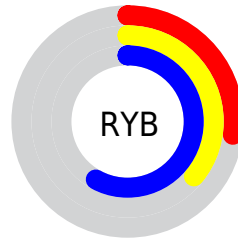
Distribution



Red (27%)

Green (39%)

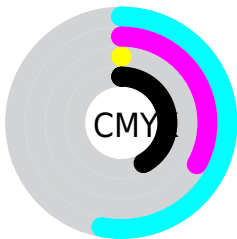
Blue (58%)



Red (27%)

Yellow (36%)

Blue (58%)

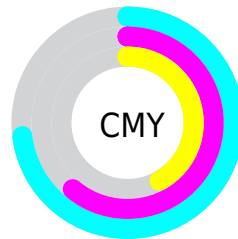


Cyan (53%)

Magenta (33%)

Yellow (0%)

Black (42%)



Cyan (73%)

Magenta (61%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the RYB color 69, 91, 148 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 69, 91, 148 by changing the saturation by 10% instead.



69, 91, 148



69, 91, 148

255, 255, 255



42, 66, 122



122, 143, 202



6, 37, 97



149, 170, 231



0, 22, 73



177, 197, 255



0, 7, 50



205, 223, 255



0, 2, 28



234, 245, 255



0, 0, 0



69, 91, 148



69, 91, 148



54, 80, 148



84, 102, 148



39, 69, 148



99, 113, 148

■ 25, 59, 148

■ 113, 123, 148

■ 10, 48, 148

■ 128, 134, 148

■ 0, 41, 148

■ 143, 144, 148

■ 155, 158, 148

■ 165, 173, 148

■ 172, 187, 148

■ 182, 202, 148

Harmonies

Analogous

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



0, 61, 144



69, 91, 148



108, 90, 139

Triad

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



69, 91, 148



144, 84, 70



50, 91, 110

Complementary

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



69, 91, 148



117, 148, 69

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.



58, 106, 82



69, 91, 148



130, 128, 53

Square

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



69, 91, 148



146, 79, 94



60, 109, 48



0, 58, 112

Rectangle

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



69, 91, 148



127, 84, 126



60, 109, 48



62, 101, 109

Sweetspot

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



69, 91, 148



161, 169, 191



69, 119, 148



78, 84, 97



224, 224, 224



97, 97, 97

Same Dimension

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



69, 91, 148



69, 103, 191



77, 69, 148



67, 69, 74



0, 38, 138



0, 3, 10

Inverse Universe

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



148, 69, 99



191, 69, 116



69, 148, 77



74, 67, 69



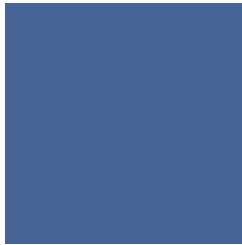
138, 0, 53



10, 0, 4

Previews

White Background



This preview shows how the RYB color 69, 91, 148 looks on a white background.

Color Contrast Check

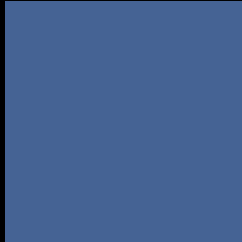
Large Text (above 18pt) WCAG AA ✓ Pass

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 69, 91, 148 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

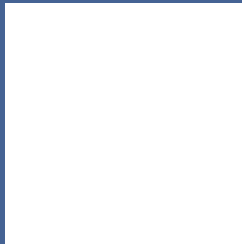
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

R Y B 69, 91, 148 Background



This preview shows how black text looks on a background with the RYB color 69, 91, 148.



This preview shows how white text looks on a background with the RYB color 69, 91, 148.

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

69, 91, 148

Protanopia

82, 94, 146

Deuteranopia

75, 92, 148



Tritanopia
57, 84, 115

Trichromacy



Original Color

69, 91, 148

Protanomaly

77, 93, 147

Deuteranomaly

73, 92, 148

Tritanomaly

61, 87, 127

Monochromacy



Original Color

69, 91, 148

Achromatopsia

96, 96, 96

Achromatomaly

86, 94, 115

CSS Examples

Text

The CSS property to change the color of the text to RYB 69, 91, 148 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(69, 99, 148)` looks like.

```
.text, #text, p{  
    color:rgb(69, 99, 148)  
}
```

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(69, 99, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 99, 148) }
```

Border

The CSS property to change the border of an element to RYB 69, 91, 148 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(69, 99, 148) }
```

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

```
.border{ border-color:rgb(69, 99, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 99, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 99, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 99, 148);  
box-shadow:4px 4px 4px 4px rgb(69, 99,  
148) }
```

Background

The CSS property to change the background color of an element to RYB 69, 91, 148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 99, 148) }
```

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

```
.background{ background-color: rgb(69, 99,  
148) }
```

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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