

Converting Colors

`RYB(105, 109, 168)`

Have a look what the booklet for
RYB(105, 109, 168) contains.

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Color

`RYB(105, 109, 168)`

Conversions

Conversions Part 1

Format	Color
Hex	696DA8
RGB	105, 109, 168
RGB Percent	41%, 43%, 66%
CMY	0.5882, 0.5715, 0.3412
CMYK	0.38, 0.35, 0.00, 0.34
HSL	236°, 27%, 54%
HSV	236°, 38%, 66%
XYZ	18.3912, 16.8256, 39.3241
YIQ	114.5300, -21.3230, 17.5010

Conversions

Conversions Part 2

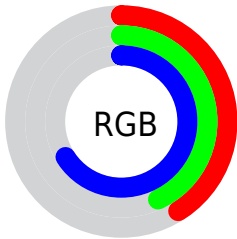
Format	Color
R_{YB}	105, 109, 168
Decimal	6909352
CIE _{Lab}	48.04, 13.16, -32.02
CIE _{LCh}	48, 34.616, 292.352
Yxy	16.8256, 0.2467, 0.2257
Android (android.graphics.Color)	4285099432 (0xFF696DA8)
YUV	114.5300, 26.3607, -8.3578
Hunter-Lab	41.0191, 8.2484, -28.1268

Details

The RYB color **105, 109, 168** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **109, 168, 105**, and the grayscale version is **114, 114, 114**.

A 20% lighter version of the original color is **158, 160, 223**, and **54, 61, 116** is the 20% darker color. If you saturate the color by 10%, you get **88, 94, 168**, and if you desaturate by 10%, it is **122, 125, 168**.

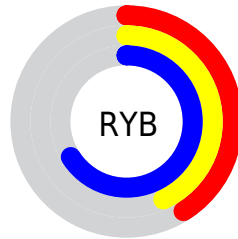
Distribution



Red (41%)

Green (43%)

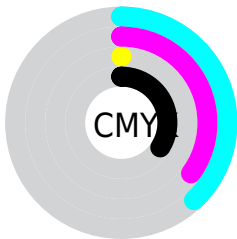
Blue (66%)



Red (41%)

Yellow (43%)

Blue (66%)

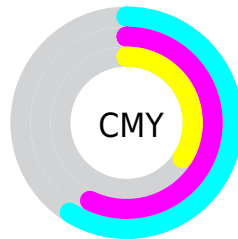


Cyan (38%)

Magenta (35%)

Yellow (0%)

Black (34%)



Cyan (59%)

Magenta (57%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the RYB color 105, 109, 168 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 105, 109, 168 by changing the saturation by 10% instead.

■ 105, 109, 168

255, 255, 255

■ 158, 161, 223

■ 186, 188, 252

■ 214, 215, 255

■ 243, 244, 255

■ 105, 109, 168

■ 79, 84, 141

■ 54, 61, 116

■ 27, 38, 91

■ 0, 15, 67

■ 0, 0, 44

■ 0, 1, 23

■ 0, 0, 0

■ 105, 109, 168

■ 88, 94, 168

■ 105, 109, 168

■ 122, 125, 168

■ 71, 78, 168

■ 139, 141, 168

■ 55, 62, 168

■ 155, 156, 168

■ 38, 46, 168

■ 168, 172, 168

■ 21, 30, 168

■ 169, 189, 168

■ 4, 14, 168

■ 171, 206, 168

■ 0, 10, 168

■ 172, 223, 168

■ 172, 239, 168

■ 173, 255, 168

Harmonies

Analogous

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



47, 93, 172



105, 109, 168



143, 98, 150

Triad

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



105, 109, 168



160, 114, 69



24, 83, 129

Complementary

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



105, 109, 168



109, 168, 105

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.



76, 124, 125



105, 109, 168



97, 138, 55

Square

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



105, 109, 168



169, 91, 93



58, 119, 67



0, 66, 135

Rectangle

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



105, 109, 168



159, 92, 132



58, 119, 67



46, 97, 128

Sweetspot

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



105, 109, 168



195, 197, 219



105, 138, 168



95, 96, 110



237, 237, 237



110, 110, 110

Same Dimension

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



105, 109, 168



121, 127, 219



131, 105, 168



76, 76, 84



0, 9, 148



0, 1, 20

Inverse Universe

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



168, 105, 109



219, 121, 127



105, 168, 131



84, 76, 76



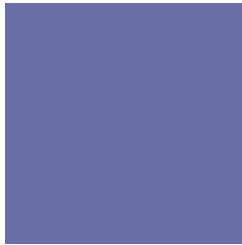
148, 0, 10



20, 0, 1

Previews

White Background



This preview shows how the RYB color 105, 109, 168 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 105, 109, 168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

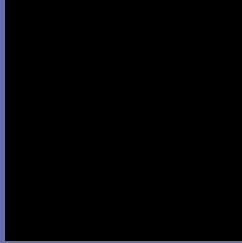
Any Text WCAG AA × Fail

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](#).

RYB 105, 109, 168 Background



This preview shows how black text looks on a background with the RYB color 105, 109, 168.

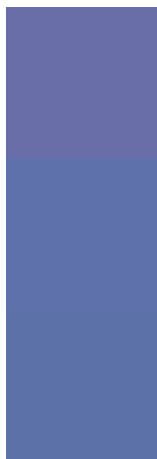


This preview shows how white text looks on a background with the RYB color 105, 109, 168.

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

105, 109, 168

Protanopia

94, 109, 170

Deuteranopia

91, 108, 167



Tritanopia
95, 108, 127

Trichromacy



Original Color

105, 109, 168

Protanomaly

98, 109, 169

Deuteranomaly

96, 109, 167

Tritanomaly

99, 111, 142

Monochromacy



Original Color

105, 109, 168

Achromatopsia

115, 115, 115

Achromatomaly

111, 113, 134

CSS Examples

Text

The CSS property to change the color of the text to RYB 105, 109, 168 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(105, 109, 168)` looks like.

```
.text, #text, p{  
    color:rgb(105, 109, 168)  
}
```

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(105, 109, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 109, 168) }
```

Border

The CSS property to change the border of an element to RYB 105, 109, 168 is called "border". The border property can be set on classes, ids or directly on the HTML element.

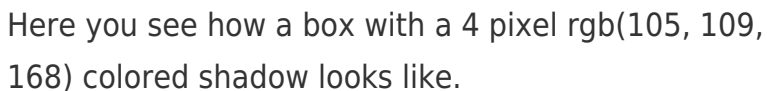
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 109, 168) }
```

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

```
.border{ border-color:rgb(105, 109, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 109, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 109, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 109, 168); box-shadow:4px 4px 4px 4px rgb(105, 109, 168) }
```

Background

The CSS property to change the background color of an element to RYB 105, 109, 168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 109, 168) }
```

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

```
.background{ background-color: rgb(105,  
109, 168) }
```

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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