

Converting Colors

`RYB(105, 109, 175)`

Have a look what the booklet for
RYB(105, 109, 175) contains.

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Color

R_YB(105, 109, 175)

Conversions

Conversions Part 1

Format	Color
Hex	696DAF
RGB	105, 109, 175
RGB Percent	41%, 43%, 69%
CMY	0.5882, 0.5716, 0.3137
CMYK	0.40, 0.38, 0.00, 0.31
HSL	236°, 30%, 55%
HSV	236°, 40%, 69%
XYZ	19.0581, 17.0875, 42.8512
YIQ	115.3280, -23.5700, 19.6780

Conversions

Conversions Part 2

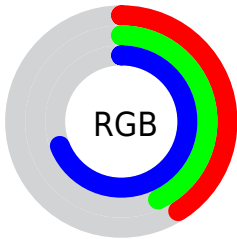
Format	Color
RYB	105, 109, 175
Decimal	6909359
CIELab	48.37, 15.19, -35.58
CIELCh	48, 38.691, 293.123
Yxy	17.0875, 0.2413, 0.2163
Android (android.graphics.Color)	4285099439 (0xFF696DAF)
YUV	115.3280, 29.4183, -9.0577
Hunter-Lab	41.3370, 9.9563, -32.5259

Details

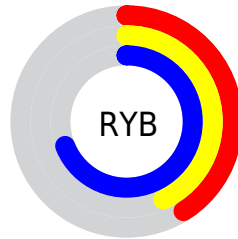
The RYB color **105, 109, 175** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **109, 175, 105**, and the grayscale version is **115, 115, 115**.

A 20% lighter version of the original color is **159, 160, 231**, and **53, 61, 122** is the 20% darker color. If you saturate the color by 10%, you get **88, 93, 175**, and if you desaturate by 10%, it is **122, 126, 175**.

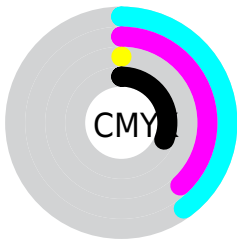
Distribution



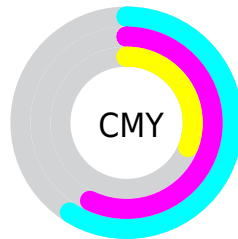
- Red (41%)
- Green (43%)
- Blue (69%)



- Red (41%)
- Yellow (43%)
- Blue (69%)



- Cyan (40%)
- Magenta (38%)
- Yellow (0%)
- Black (31%)



- Cyan (59%)
- Magenta (57%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 105, 109, 175 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, 175 by changing the saturation by 10% instead.

■ 105, 109, 175

255, 255, 255

■ 159, 161, 231

■ 187, 188, 255

■ 215, 215, 255

■ 244, 244, 255

■ 105, 109, 175

■ 79, 85, 148

■ 53, 61, 122

■ 25, 37, 97

■ 0, 16, 73

■ 0, 0, 50

■ 0, 1, 28

■ 0, 0, 0

■ 105, 109, 175

■ 88, 93, 175

■ 105, 109, 175

■ 122, 126, 175

■ 70, 76, 175

■ 140, 142, 175

■ 53, 60, 175

■ 158, 159, 175

■ 35, 43, 175

■ 175, 175, 175

■ 17, 26, 175

■ 177, 193, 175

■ 0, 10, 175

■ 177, 210, 175

■ 179, 228, 175

■ 179, 245, 175

■ 175, 255, 175

Harmonies

Analogous

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



28, 86, 179



105, 109, 175



148, 96, 154

Triad

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



105, 109, 175



164, 117, 63



0, 72, 131

Complementary

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



105, 109, 175



109, 175, 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.



70, 123, 127



105, 109, 175



95, 141, 48

Square

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



105, 109, 175



176, 89, 91



52, 121, 64



0, 67, 139

Rectangle

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



105, 109, 175



166, 90, 135



52, 121, 64



29, 90, 130

Sweetspot

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



105, 109, 175



200, 201, 227



105, 141, 175



99, 100, 115



242, 242, 242



115, 115, 115

Same Dimension

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



105, 109, 175



118, 125, 227



135, 105, 175



78, 79, 87



0, 8, 150



0, 1, 23

Inverse Universe

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



175, 105, 109



227, 118, 125



105, 175, 135



87, 78, 79



150, 0, 9



23, 0, 1

Previews

White Background



This preview shows how the RYB color 105, 109, 175 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, 175 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, 175 Background



This preview shows how black text looks on a background with the RYB color 105, 109, 175.

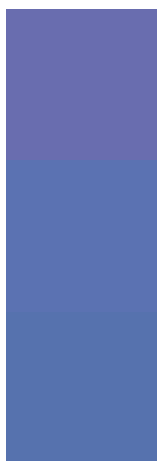


This preview shows how white text looks on a background with the RYB color 105, 109, 175.

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, 175

Protanopia

91, 109, 178

Deuteranopia

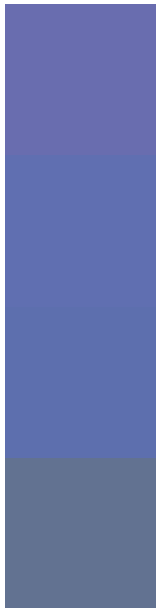
86, 107, 174



Tritanopia

94, 108, 128

Trichromacy



Original Color
105, 109, 175

Protanomaly
96, 109, 177

Deuteranomaly
93, 108, 174

Tritanomaly
98, 110, 145

Monochromacy



Original Color
105, 109, 175

Achromatopsia
115, 115, 115

Achromatomaly
111, 113, 137

CSS Examples

Text

The CSS property to change the color of the text to RYB 105, 109, 175 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, 175)` looks like.

```
.text, #text, p{  
    color:rgb(105, 109, 175)  
}
```

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, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 109, 175) }
```

Border

The CSS property to change the border of an element to RYB 105, 109, 175 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, 175) }
```

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

```
.border{ border-color:rgb(105, 109, 175) }
```

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, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 109, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 109, 175);  
box-shadow:4px 4px 4px 4px rgb(105, 109,  
175) }
```

Background

The CSS property to change the background color of an element to RYB 105, 109, 175 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, 175) }
```

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

```
.background{ background-color: rgb(105,  
109, 175) }
```

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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