

Converting Colors

`RYB(108, 66, 156)`

Have a look what the booklet for
RYB(108, 66, 156) contains.

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Color

R_YB(108, 66, 156)

Conversions

Conversions Part 1

Format	Color
Hex	6C429C
RGB	108, 66, 156
RGB Percent	42%, 26%, 61%
CMY	0.5765, 0.7412, 0.3882
CMYK	0.31, 0.58, 0.00, 0.39
HSL	268°, 41%, 44%
HSV	268°, 58%, 61%
XYZ	14.1333, 9.4849, 32.5383
YIQ	88.8180, -3.8580, 36.8940

Conversions

Conversions Part 2

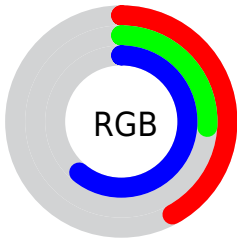
Format	Color
R _Y B	108, 66, 156
Decimal	7094940
CIE Lab	36.90, 36.87, -42.50
CIE LCh	37, 56.267, 310.940
Yxy	9.4849, 0.2517, 0.1689
Android (android.graphics.Color)	4285285020 (0xFF6C429C)
YUV	88.8180, 33.1207, 16.8226
Hunter-Lab	30.7975, 28.0199, -41.0831

Details

The RYB color **108, 66, 156** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **66, 156, 108**, and the grayscale version is **89, 89, 89**.

A 20% lighter version of the original color is **162, 116, 211**, and **56, 19, 104** is the 20% darker color. If you saturate the color by 10%, you get **100, 50, 156**, and if you desaturate by 10%, it is **116, 82, 156**.

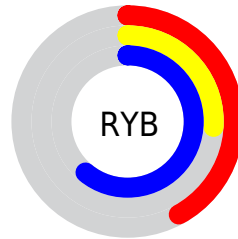
Distribution



Red (42%)

Green (26%)

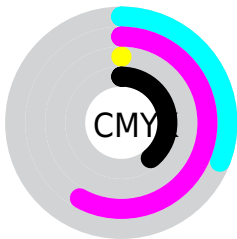
Blue (61%)



Red (42%)

Yellow (26%)

Blue (61%)

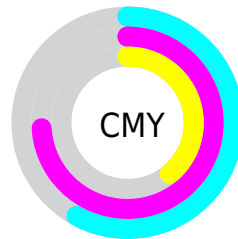


Cyan (31%)

Magenta (58%)

Yellow (0%)

Black (39%)



Cyan (58%)

Magenta (74%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the RYB color 108, 66, 156 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 108, 66, 156 by changing the saturation by 10% instead.



108, 66, 156



108, 66, 156

255, 255, 255



82, 42, 130



162, 116, 211



56, 19, 104



190, 142, 240



29, 0, 79



219, 169, 255



1, 0, 56



248, 196, 255



0, 2, 33



255, 224, 255



0, 0, 7



255, 253, 255



0, 0, 0



108, 66, 156



108, 66, 156



100, 50, 156



116, 82, 156

■ 91, 35, 156

■ 125, 97, 156

■ 83, 19, 156

■ 133, 113, 156

■ 75, 4, 156

■ 141, 128, 156

■ 73, 0, 156

■ 150, 144, 156

■ 156, 160, 158

■ 156, 175, 165

■ 156, 191, 172

■ 156, 206, 179

Harmonies

Analogous

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



0, 58, 177



108, 66, 156



152, 40, 117

Triad

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



108, 66, 156



96, 129, 0



0, 55, 107

Complementary

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



108, 66, 156



66, 156, 108

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.



0, 69, 105



108, 66, 156



1, 91, 0

Square

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



108, 66, 156



156, 56, 29



1, 100, 64



0, 61, 146

Rectangle

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



108, 66, 156



164, 30, 87



1, 100, 64



0, 58, 106

Sweetspot

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



108, 66, 156



186, 169, 204



66, 97, 156



91, 82, 102



230, 230, 230



102, 102, 102

Same Dimension

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



108, 66, 156



129, 63, 204



153, 66, 156



75, 71, 79



67, 0, 143



7, 0, 15

Inverse Universe

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



156, 66, 114



204, 63, 138



66, 156, 153



79, 71, 75



143, 0, 76



15, 0, 8

Previews

White Background



This preview shows how the RYB color 108, 66, 156 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 ✓ Pass

Black Background



This preview shows how the RYB color 108, 66, 156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 108, 66, 156 Background



This preview shows how black text looks on a background with the RYB color 108, 66, 156.

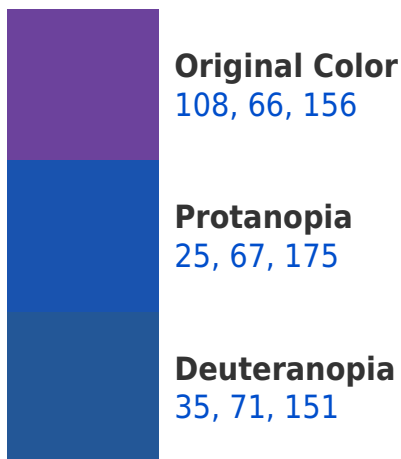



This preview shows how white text looks on a background with the RYB color 108, 66, 156.

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





Tritanopia

96, 84, 90

Trichromacy



Original Color
108, 66, 156

Protanomaly
55, 73, 168

Deuteranomaly
62, 77, 153

Tritanomaly
100, 77, 114

Monochromacy



Original Color
108, 66, 156

Achromatopsia
89, 89, 89

Achromatomaly
96, 81, 113

CSS Examples

Text

The CSS property to change the color of the text to RYB 108, 66, 156 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(108, 66, 156)` looks like.

```
.text, #text, p{  
    color:rgb(108, 66, 156)  
}
```

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(108, 66, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 66, 156) }
```

Border

The CSS property to change the border of an element to RYB 108, 66, 156 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(108, 66, 156) }
```

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

```
.border{ border-color:rgb(108, 66, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 66, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 66, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 66, 156);  
box-shadow:4px 4px 4px 4px rgb(108, 66,  
156) }
```

Background

The CSS property to change the background color of an element to RYB 108, 66, 156 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 66, 156) }
```

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

```
.background{ background-color: rgb(108, 66,  
156) }
```

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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