

Converting Colors

`RYB(107, 0, 208)`

Have a look what the booklet for
RYB(107, 0, 208) contains.

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Color

R_YB(107, 0, 208)

Conversions

Conversions Part 1

Format	Color
Hex	6B00D0
RGB	107, 0, 208
RGB Percent	42%, 0%, 82%
CMY	0.5804, 1.0000, 0.1843
CMYK	0.49, 1.00, 0.00, 0.18
HSL	271°, 100%, 41%
HSV	271°, 100%, 82%
XYZ	17.4486, 7.6799, 60.2372
YIQ	55.7050, -2.9960, 87.3720

Conversions

Conversions Part 2

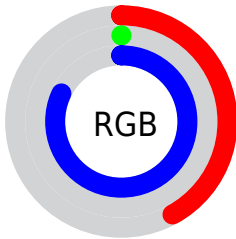
Format	Color
R_{YB}	107, 0, 208
Decimal	7012560
CIE _{Lab}	33.31, 71.64, -79.17
CIE _{LCh}	33, 106.772, 312.140
Yxy	7.6799, 0.2044, 0.0900
Android (android.graphics.Color)	4285202640 (0xFF6B00D0)
YUV	55.7050, 75.0814, 44.9857
Hunter-Lab	27.7126, 63.8913, -109.4765

Details

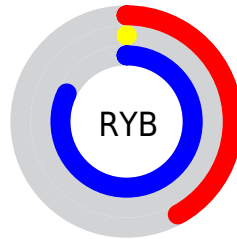
The RYB color **107, 0, 208** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **0, 208, 107**, and the grayscale version is **55, 55, 55**.

A 20% lighter version of the original color is **168, 75, 255**, and **37, 0, 152** is the 20% darker color. If you saturate the color by 10%, you get **107, 0, 208**, and if you desaturate by 10%, it is **117, 21, 208**.

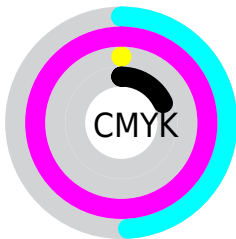
Distribution



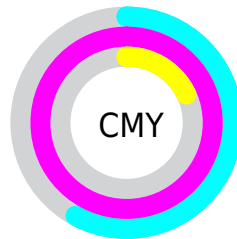
- Red (42%)
- Green (0%)
- Blue (82%)



- Red (42%)
- Yellow (0%)
- Blue (82%)



- Cyan (49%)
- Magenta (100%)
- Yellow (0%)
- Black (18%)





















- Cyan (58%)
- Magenta (100%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 107, 0, 208 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 107, 0, 208 by changing the saturation by 10% instead.

 107, 0, 208	 107, 0, 208
 255, 255, 255	 75, 0, 180
 168, 75, 255	 37, 0, 152
 198, 103, 255	 0, 0, 125
 229, 131, 255	 0, 0, 99
 255, 159, 255	 0, 8, 74
 255, 187, 255	 0, 4, 50
 255, 216, 255	 0, 2, 28
 255, 246, 255	 0, 0, 0

 107, 0, 208

■ 117, 21, 208

■ 127, 42, 208

■ 137, 62, 208

■ 147, 83, 208

■ 157, 104, 208

■ 168, 125, 208

■ 178, 146, 208

■ 188, 166, 208

■ 198, 187, 208

Harmonies

Analogous

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



0, 62, 251



107, 0, 208



193, 0, 132

Triad

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



107, 0, 208



136, 87, 0



0, 54, 112

Complementary

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



107, 0, 208



0, 208, 107

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, 88, 103



107, 0, 208



0, 86, 22

Square

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



107, 0, 208



186, 0, 0



0, 99, 99



0, 69, 194

Rectangle

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



107, 0, 208



210, 0, 77



0, 99, 99



0, 58, 104

Sweetspot

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



107, 0, 208



218, 179, 255



0, 69, 208



105, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



107, 0, 208



131, 0, 255



208, 0, 208



99, 94, 105



87, 0, 168



21, 0, 41

Inverse Universe

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



208, 0, 101



255, 0, 124



0, 208, 208



105, 94, 99



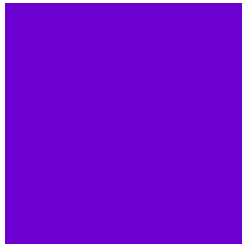
168, 0, 82



41, 0, 20

Previews

White Background



This preview shows how the RYB color 107, 0, 208 looks on a white background.

Color Contrast Check

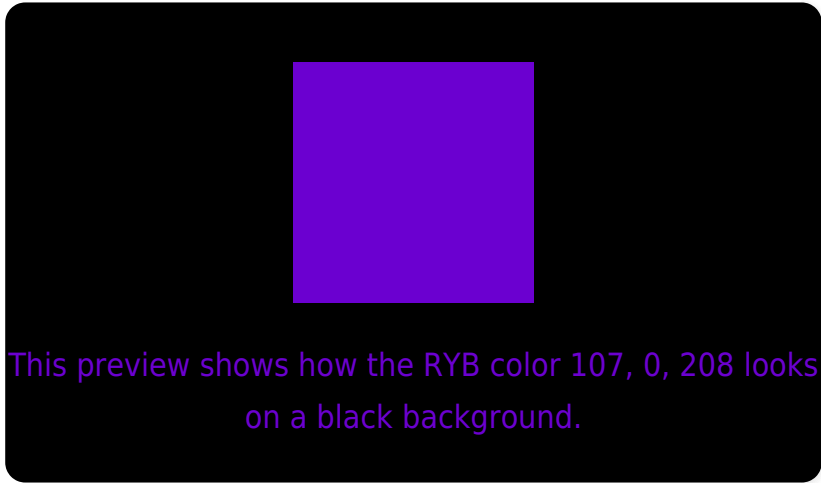
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

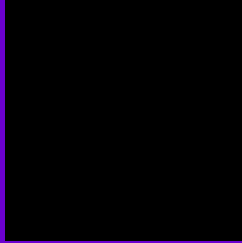
Any Text WCAG AA × Fail

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](#).

R Y B 107, 0, 208 Background



This preview shows how black text looks on a background with the R Y B color 107, 0, 208.

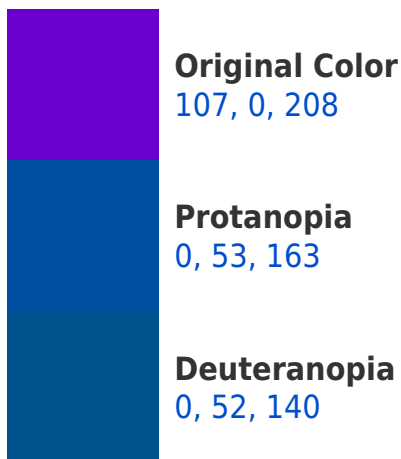


This preview shows how white text looks on a background with the R Y B color 107, 0, 208.

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

75, 79, 87

Trichromacy



Original Color

107, 0, 208



Protanomaly

39, 49, 179



Deuteranomaly

39, 52, 165



Tritanomaly

87, 52, 131

Monochromacy



Original Color

107, 0, 208



Achromatopsia

56, 56, 56



Achromatomaly

75, 36, 111

CSS Examples

Text

The CSS property to change the color of the text to RYB 107, 0, 208 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(107, 0, 208)` looks like.

```
.text, #text, p{  
    color:rgb(107, 0, 208)  
}
```

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(107, 0, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 0, 208) }
```

Border

The CSS property to change the border of an element to RYB 107, 0, 208 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(107, 0, 208) }
```

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

```
.border{ border-color:rgb(107, 0, 208) }
```

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

Here you see how a box with a 4 pixel rgb(107, 0, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 0, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 0, 208);  
box-shadow:4px 4px 4px 4px rgb(107, 0,  
208) }
```

Background

The CSS property to change the background color of an element to RGB 107, 0, 208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 0, 208) }
```

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

```
.background{ background-color: rgb(107, 0,  
208) }
```

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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