

Converting Colors

`RYB(128, 38, 217)`

Have a look what the booklet for
RYB(128, 38, 217) contains.

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Color

R_YB(128, 38, 217)

Conversions

Conversions Part 1

Format	Color
Hex	8026D9
RGB	128, 38, 217
RGB Percent	50%, 15%, 85%
CMY	0.4980, 0.8510, 0.1490
CMYK	0.41, 0.82, 0.00, 0.15
HSL	270°, 70%, 50%
HSV	270°, 82%, 85%
XYZ	22.1196, 10.9852, 66.6002
YIQ	85.3160, -3.8190, 74.7490

Conversions

Conversions Part 2

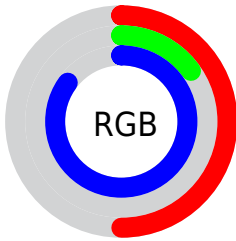
Format	Color
R _Y B	128, 38, 217
Decimal	8398553
CIE Lab	39.56, 68.09, -73.99
CIE LCh	40, 100.549, 312.622
Yxy	10.9852, 0.2219, 0.1102
Android (android.graphics.Color)	4286588633 (0xFF8026D9)
YUV	85.3160, 64.9202, 37.4339
Hunter-Lab	33.1439, 61.1256, -95.9381

Details

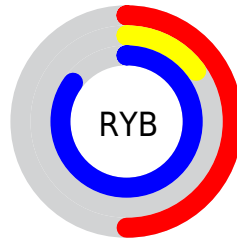
The RYB color **128, 38, 217** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **38, 217, 128**, and the grayscale version is **85, 85, 85**.

A 20% lighter version of the original color is **188, 96, 255**, and **66, 0, 161** is the 20% darker color. If you saturate the color by 10%, you get **117, 16, 217**, and if you desaturate by 10%, it is **139, 60, 217**.

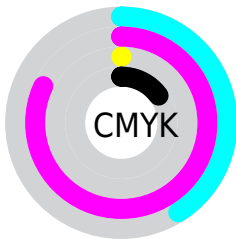
Distribution



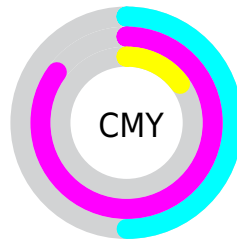
- Red (50%)
- Green (15%)
- Blue (85%)



- Red (50%)
- Yellow (15%)
- Blue (85%)



- Cyan (41%)
- Magenta (82%)
- Yellow (0%)
- Black (15%)





















- Cyan (50%)
- Magenta (85%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 128, 38, 217 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 128, 38, 217 by changing the saturation by 10% instead.

 128, 38, 217	 128, 38, 217
 255, 255, 255	 98, 0, 189
 188, 96, 255	 66, 0, 161
 218, 123, 255	 28, 0, 134
 248, 151, 255	 0, 0, 107
 255, 180, 255	 0, 0, 82
 255, 208, 255	 0, 5, 58
 255, 237, 255	 0, 2, 35
	 0, 0, 10
	 0, 0, 0

■ 128, 38, 217

■ 128, 38, 217

■ 117, 16, 217

■ 139, 60, 217

■ 109, 0, 217

■ 150, 81, 217

■ 160, 103, 217

■ 171, 125, 217

■ 182, 147, 217

■ 193, 168, 217

■ 204, 190, 217

■ 214, 212, 217

■ 217, 233, 225

Harmonies

Analogous

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



0, 69, 255



128, 38, 217



207, 0, 144

Triad

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



128, 38, 217



152, 130, 0



0, 62, 127

Complementary

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



128, 38, 217



38, 217, 128

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, 90, 119



128, 38, 217



0, 101, 19

Square

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



128, 38, 217



202, 0, 0



0, 114, 114



0, 77, 205

Rectangle

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



128, 38, 217



224, 0, 90



0, 114, 114



0, 67, 121

Sweetspot

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



128, 38, 217



223, 191, 255



38, 97, 217



108, 89, 128



0, 0, 0



128, 128, 128

Same Dimension

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



128, 38, 217



129, 3, 255



217, 38, 217



104, 99, 110



87, 0, 173



23, 0, 46

Inverse Universe

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



217, 38, 127



255, 3, 128



38, 217, 217



110, 99, 104



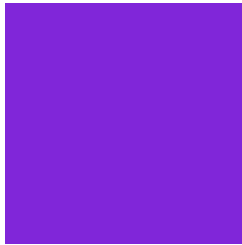
173, 0, 86



46, 0, 23

Previews

White Background



This preview shows how the RYB color 128, 38, 217 looks on a white background.

Color Contrast Check

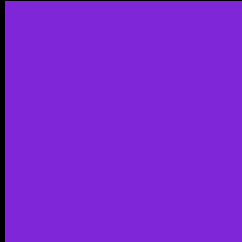
Large Text (above 18pt) WCAG AA ✓ Pass

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 128, 38, 217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

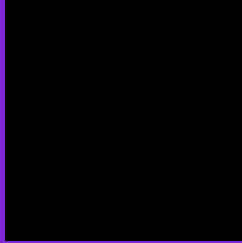
Any Text WCAG AA × Fail

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_YB 128, 38, 217 Background



This preview shows how black text looks on a background with the R_YB color 128, 38, 217.

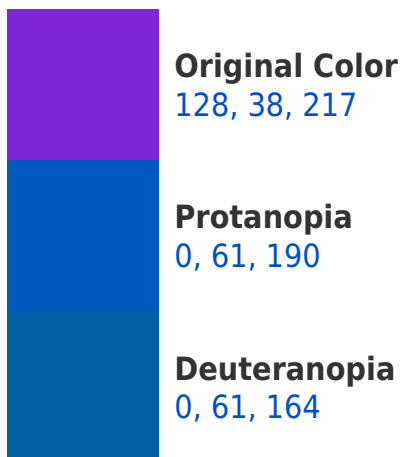


This preview shows how white text looks on a background with the R_YB color 128, 38, 217.

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
102, 90, 97

Trichromacy



Original Color

128, 38, 217



Protanomaly

47, 68, 200



Deuteranomaly

47, 70, 183



Tritanomaly

111, 71, 141

Monochromacy



Original Color

128, 38, 217



Achromatopsia

85, 85, 85



Achromatomaly

101, 68, 133

CSS Examples

Text

The CSS property to change the color of the text to RYB 128, 38, 217 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(128, 38, 217)` looks like.

```
.text, #text, p{  
    color:rgb(128, 38, 217)  
}
```

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(128, 38, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 38, 217) }
```

Border

The CSS property to change the border of an element to RYB 128, 38, 217 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(128, 38, 217) }
```

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

```
.border{ border-color:rgb(128, 38, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 38, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 38, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 38, 217);  
box-shadow:4px 4px 4px 4px rgb(128, 38,  
217) }
```

Background

The CSS property to change the background color of an element to RGB 128, 38, 217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 38, 217) }
```

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

```
.background{ background-color: rgb(128, 38,  
217) }
```

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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