

Converting Colors

`RYB(128, 58, 169)`

Have a look what the booklet for
RYB(128, 58, 169) contains.

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Color

R_YB(128, 58, 169)

Conversions

Conversions Part 1

Format	Color
Hex	803AA9
RGB	128, 58, 169
RGB Percent	50%, 23%, 66%
CMY	0.4980, 0.7725, 0.3373
CMYK	0.24, 0.66, 0.00, 0.34
HSL	278°, 49%, 45%
HSV	278°, 66%, 66%
XYZ	17.5766, 10.4799, 38.6325
YIQ	91.5840, 6.0890, 49.3610

Conversions

Conversions Part 2

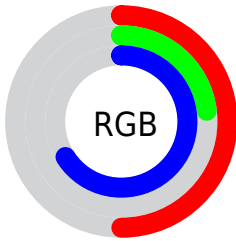
Format	Color
R_{YB}	128, 58, 169
Decimal	8403625
CIE _{Lab}	38.69, 49.13, -47.29
CIE _{LCh}	39, 68.194, 316.089
Yxy	10.4799, 0.2636, 0.1571
Android (android.graphics.Color)	4286593705 (0xFF803AA9)
YUV	91.5840, 38.1661, 31.9368
Hunter-Lab	32.3726, 40.2636, -48.0941

Details

The RYB color **128, 58, 169** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **58, 169, 128**, and the grayscale version is **91, 91, 91**.

A 20% lighter version of the original color is **184, 110, 225**, and **74, 0, 116** is the 20% darker color. If you saturate the color by 10%, you get **122, 41, 169**, and if you desaturate by 10%, it is **134, 75, 169**.

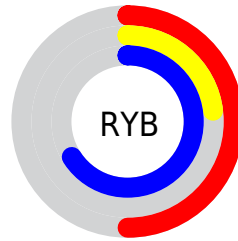
Distribution



Red (50%)

Green (23%)

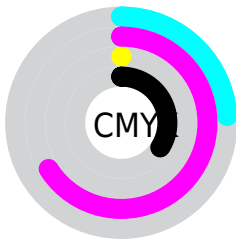
Blue (66%)



Red (50%)

Yellow (23%)

Blue (66%)

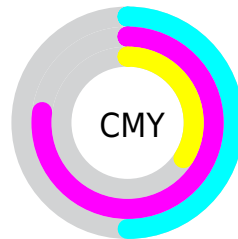


Cyan (24%)

Magenta (66%)

Yellow (0%)

Black (34%)



Cyan (50%)


Magenta (77%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the RYB color 128, 58, 169 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, 58, 169 by changing the saturation by 10% instead.

 128, 58, 169

 128, 58, 169

255, 255, 255

 101, 31, 142

 184, 110, 225

 74, 0, 116

 213, 136, 254

 47, 0, 91

 242, 163, 255

 24, 0, 67

 255, 191, 255


 0, 3, 43

 255, 220, 255

 0, 1, 22

 255, 249, 255

 0, 0, 0

 128, 58, 169

 128, 58, 169

 122, 41, 169

 134, 75, 169

 116, 24, 169

 140, 92, 169

 109, 7, 169

 147, 109, 169

 107, 0, 169

 153, 126, 169

 159, 142, 169

 165, 159, 169

 169, 176, 173

 169, 193, 184

 169, 210, 195

Harmonies

Analogous

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



0, 61, 199



128, 58, 169



174, 5, 119

Triad

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



128, 58, 169



91, 133, 0



0, 58, 120

Complementary

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



128, 58, 169



58, 169, 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, 72, 112



128, 58, 169



0, 98, 14

Square

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



128, 58, 169



168, 63, 5



0, 108, 108



0, 68, 171

Rectangle

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



128, 58, 169



185, 0, 82



0, 108, 108



0, 60, 114

Sweetspot

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



128, 58, 169



203, 175, 219



58, 89, 169



100, 83, 110



237, 237, 237



110, 110, 110

Same Dimension

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



128, 58, 169



155, 46, 219



169, 58, 156



81, 76, 84



93, 0, 148



13, 0, 20

Inverse Universe

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



169, 58, 99



219, 46, 110



58, 157, 169



84, 76, 79



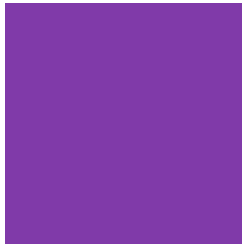
148, 0, 55



20, 0, 8

Previews

White Background



This preview shows how the RYB color 128, 58, 169 looks on a white background.

Color Contrast Check

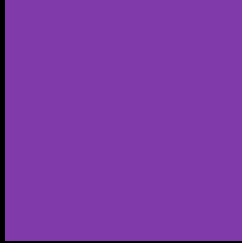
Large Text (above 18pt) WCAG AA ✓ Pass

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, 58, 169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

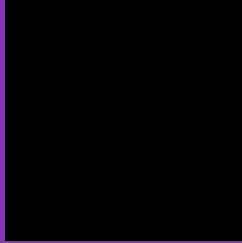
Any Text WCAG AA × Fail

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 128, 58, 169 Background



This preview shows how black text looks on a background with the RYB color 128, 58, 169.

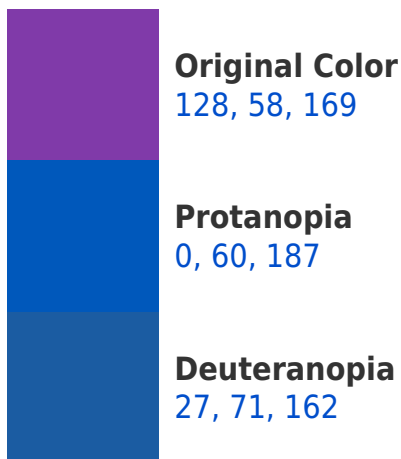


This preview shows how white text looks on a background with the RYB color 128, 58, 169.

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
115, 83, 89

Trichromacy



Original Color

128, 58, 169



Protanomaly

47, 71, 180



Deuteranomaly

64, 78, 165



Tritanomaly

120, 74, 118

Monochromacy



Original Color

128, 58, 169



Achromatopsia

92, 92, 92



Achromatomaly

105, 80, 120

CSS Examples

Text

The CSS property to change the color of the text to RYB 128, 58, 169 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, 58, 169)` looks like.

```
.text, #text, p{  
    color:rgb(128, 58, 169)  
}
```

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, 58, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 58, 169) }
```

Border

The CSS property to change the border of an element to RYB 128, 58, 169 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, 58, 169) }
```

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

```
.border{ border-color:rgb(128, 58, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 58, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 58, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 58, 169);  
box-shadow:4px 4px 4px 4px rgb(128, 58,  
169) }
```

Background

The CSS property to change the background color of an element to RGB 128, 58, 169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 58, 169) }
```

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

```
.background{ background-color: rgb(128, 58,  
169) }
```

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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