

Converting Colors

`RYB(128, 69, 188)`

Have a look what the booklet for
RYB(128, 69, 188) contains.

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Color

R_YB(128, 69, 188)

Conversions

Conversions Part 1

Format	Color
Hex	8045BC
RGB	128, 69, 188
RGB Percent	50%, 27%, 74%
CMY	0.4980, 0.7294, 0.2627
CMYK	0.32, 0.63, 0.00, 0.26
HSL	270°, 47%, 50%
HSV	270°, 63%, 74%
XYZ	20.1073, 12.4763, 48.9253
YIQ	100.2070, -3.0350, 49.5170

Conversions

Conversions Part 2

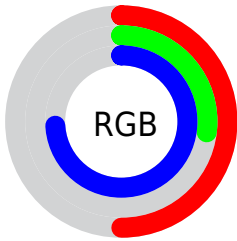
Format	Color
R_{YB}	128, 69, 188
Decimal	8406460
CIE _{Lab}	41.96, 48.08, -53.25
CIE _{LCh}	42, 71.747, 312.082
Yxy	12.4763, 0.2467, 0.1531
Android (android.graphics.Color)	4286596540 (0xFF8045BC)
YUV	100.2070, 43.2819, 24.3745
Hunter-Lab	35.3218, 39.8000, -57.3993

Details

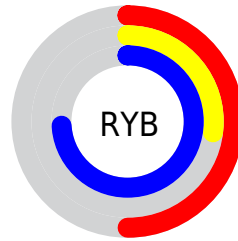
The RYB color **128, 69, 188** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **69, 188, 128**, and the grayscale version is **100, 100, 100**.

A 20% lighter version of the original color is **184, 120, 245**, and **73, 16, 134** is the 20% darker color. If you saturate the color by 10%, you get **119, 50, 188**, and if you desaturate by 10%, it is **137, 88, 188**.

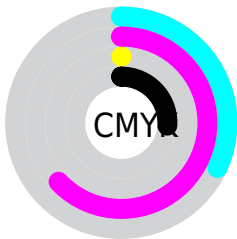
Distribution



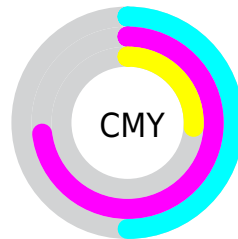
- Red (50%)
- Green (27%)
- Blue (74%)



- Red (50%)
- Yellow (27%)
- Blue (74%)



- Cyan (32%)
- Magenta (63%)
- Yellow (0%)
- Black (26%)




- Cyan (50%)
- Magenta (73%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the RYB color 128, 69, 188 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, 69, 188 by changing the saturation by 10% instead.

 128, 69, 188

 128, 69, 188

255, 255, 255

 100, 44, 161


 184, 120, 245

 73, 16, 134

 213, 147, 255

 44, 0, 108

 243, 174, 255

 15, 0, 83

 255, 202, 255


 0, 0, 59

 255, 231, 255

 0, 2, 36

 0, 0, 12

 0, 0, 0

 128, 69, 188

 128, 69, 188

■ 119, 50, 188

■ 137, 88, 188

■ 109, 31, 188

■ 147, 107, 188

■ 100, 13, 188

■ 156, 125, 188

■ 93, 0, 188

■ 166, 144, 188

■ 175, 163, 188

■ 185, 182, 188

■ 188, 201, 195

■ 188, 219, 203

■ 188, 238, 213

Harmonies

Analogous

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



0, 68, 217



128, 69, 188



184, 20, 137

Triad

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



128, 69, 188



118, 149, 0



0, 63, 124

Complementary

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



128, 69, 188



69, 188, 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, 81, 121



128, 69, 188



0, 104, 4

Square

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



128, 69, 188



185, 54, 19



0, 116, 104



0, 73, 178

Rectangle

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



128, 69, 188



198, 0, 98



0, 116, 104



0, 67, 123

Sweetspot

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



128, 69, 188



221, 198, 245



69, 109, 188



108, 94, 122



250, 250, 250



122, 122, 122

Same Dimension

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



128, 69, 188



151, 59, 245



186, 69, 188



90, 85, 94



78, 0, 158



15, 0, 31

Inverse Universe

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



188, 69, 129



245, 59, 153



69, 188, 186



94, 85, 90



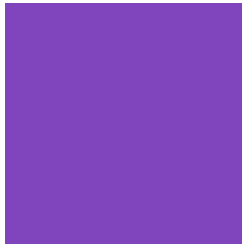
158, 0, 80



31, 0, 15

Previews

White Background



This preview shows how the RYB color 128, 69, 188 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, 69, 188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

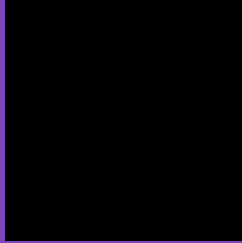
Any Text WCAG AA × Fail

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, 69, 188 Background



This preview shows how black text looks on a background with the RYB color 128, 69, 188.

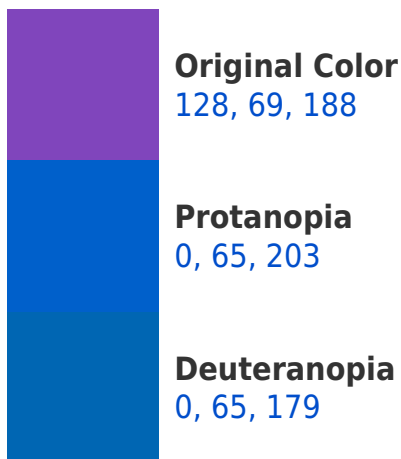


This preview shows how white text looks on a background with the RYB color 128, 69, 188.

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
112, 94, 102

Trichromacy



Original Color

128, 69, 188



Protanomaly

47, 78, 198



Deuteranomaly

47, 79, 182



Tritanomaly

118, 85, 133

Monochromacy



Original Color

128, 69, 188



Achromatopsia

100, 100, 100



Achromatomaly

110, 89, 132

CSS Examples

Text

The CSS property to change the color of the text to RYB 128, 69, 188 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, 69, 188)` looks like.

```
.text, #text, p{  
    color:rgb(128, 69, 188)  
}
```

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, 69, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 69, 188) }
```

Border

The CSS property to change the border of an element to RYB 128, 69, 188 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, 69, 188) }
```

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

```
.border{ border-color:rgb(128, 69, 188) }
```

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

Here you see how a box with a 4 pixel rgb(128, 69, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 69, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 69, 188);  
box-shadow:4px 4px 4px 4px rgb(128, 69,  
188) }
```

Background

The CSS property to change the background color of an element to RGB 128, 69, 188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 69, 188) }
```

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

```
.background{ background-color: rgb(128, 69,  
188) }
```

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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