

Converting Colors

`RYB(128, 75, 180)`

Have a look what the booklet for
RYB(128, 75, 180) contains.

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Color

`RYB(128, 75, 180)`

Conversions

Conversions Part 1

Format	Color
Hex	804BB4
RGB	128, 75, 180
RGB Percent	50%, 29%, 71%
CMY	0.4980, 0.7059, 0.2941
CMYK	0.29, 0.58, 0.00, 0.29
HSL	270°, 41%, 50%
HSV	270°, 58%, 71%
XYZ	19.6564, 12.9166, 44.6372
YIQ	102.8170, -2.1170, 43.8910

Conversions

Conversions Part 2

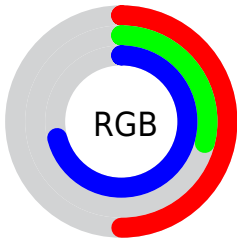
Format	Color
R_{YB}	128, 75, 180
Decimal	8407988
CIE _{Lab}	42.64, 42.93, -47.47
CIE _{LCh}	43, 64.010, 312.125
Yxy	12.9166, 0.2546, 0.1673
Android (android.graphics.Color)	4286598068 (0xFF804BB4)
YUV	102.8170, 38.0512, 22.0855
Hunter-Lab	35.9397, 34.7319, -48.4804

Details

The RYB color **128, 75, 180** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **75, 180, 128**, and the grayscale version is **102, 102, 102**.

A 20% lighter version of the original color is **184, 126, 236**, and **74, 25, 126** is the 20% darker color. If you saturate the color by 10%, you get **119, 57, 180**, and if you desaturate by 10%, it is **137, 93, 180**.

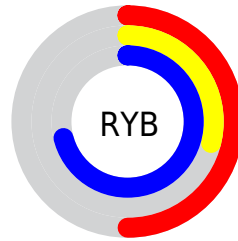
Distribution



Red (50%)

Green (29%)

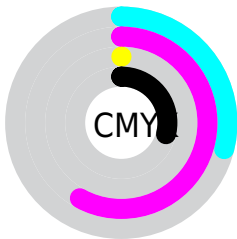
Blue (71%)



Red (50%)

Yellow (29%)

Blue (71%)

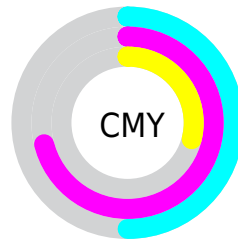


Cyan (29%)

Magenta (58%)

Yellow (0%)

Black (29%)



Cyan (50%)

Magenta (71%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the RYB color 128, 75, 180 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, 75, 180 by changing the saturation by 10% instead.

 128, 75, 180

255, 255, 255

 184, 126, 236


 212, 153, 255

 241, 180, 255

 255, 208, 255


 255, 236, 255

 128, 75, 180

 101, 50, 153

 74, 25, 126

 47, 0, 101


 21, 0, 76

 0, 0, 53

 0, 2, 30

 0, 0, 1

 0, 0, 0

 128, 75, 180

 128, 75, 180

■ 119, 57, 180

■ 137, 93, 180

■ 110, 39, 180

■ 146, 111, 180

■ 101, 21, 180

■ 155, 129, 180

■ 92, 3, 180

■ 164, 147, 180

■ 91, 0, 180

■ 173, 165, 180

■ 180, 183, 182

■ 180, 201, 191

■ 180, 219, 200

■ 180, 237, 209

Harmonies

Analogous

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



0, 67, 205



128, 75, 180



177, 44, 134

Triad

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



128, 75, 180



107, 148, 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, 75, 180



75, 180, 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, 79, 122



128, 75, 180



0, 105, 2

Square

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



128, 75, 180



180, 65, 31



0, 116, 79



0, 71, 171

Rectangle

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



128, 75, 180



191, 31, 99



0, 116, 79



0, 67, 123

Sweetspot

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



128, 75, 180



214, 192, 235



75, 110, 180



105, 91, 117



245, 245, 245



117, 117, 117

Same Dimension

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



128, 75, 180



153, 70, 235



180, 75, 180



85, 80, 89



77, 0, 153



13, 0, 26

Inverse Universe

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



180, 75, 127



235, 70, 152



75, 180, 180



89, 80, 85



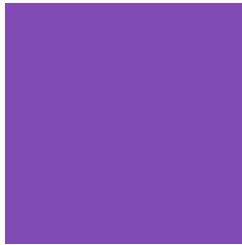
153, 0, 76



26, 0, 13

Previews

White Background



This preview shows how the RYB color 128, 75, 180 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, 75, 180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

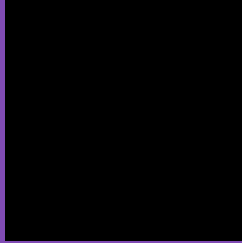
Any Text WCAG AA × Fail

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, 75, 180 Background



This preview shows how black text looks on a background with the RYB color 128, 75, 180.

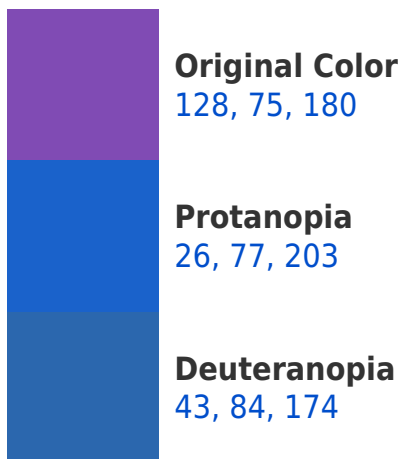


This preview shows how white text looks on a background with the RYB color 128, 75, 180.

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
114, 96, 103

Trichromacy



Original Color

128, 75, 180



Protanomaly

63, 85, 195



Deuteranomaly

74, 89, 176



Tritanomaly

119, 88, 131

Monochromacy



Original Color

128, 75, 180



Achromatopsia

103, 103, 103



Achromatomaly

112, 93, 131

CSS Examples

Text

The CSS property to change the color of the text to RYB 128, 75, 180 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, 75, 180)` looks like.

```
.text, #text, p{  
    color:rgb(128, 75, 180)  
}
```

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, 75, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 75, 180) }
```

Border

The CSS property to change the border of an element to RYB 128, 75, 180 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, 75, 180) }
```

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

```
.border{ border-color:rgb(128, 75, 180) }
```

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

Here you see how a box with a 4 pixel rgb(128, 75, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 75, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 75, 180);  
box-shadow:4px 4px 4px 4px rgb(128, 75,  
180) }
```

Background

The CSS property to change the background color of an element to RGB 128, 75, 180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 75, 180) }
```

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

```
.background{ background-color: rgb(128, 75,  
180) }
```

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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