

Converting Colors

`RYB(178, 29, 172)`

Have a look what the booklet for
RYB(178, 29, 172) contains.

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Color

`RYB(178, 29, 172)`

Conversions

Conversions Part 1

Format	Color
Hex	B21DAC
RGB	178, 29, 172
RGB Percent	70%, 11%, 67%
CMY	0.3020, 0.8863, 0.3255
CMYK	0.00, 0.84, 0.03, 0.30
HSL	302°, 72%, 41%
HSV	302°, 84%, 70%
XYZ	26.2459, 13.3223, 40.2179
YIQ	89.8530, 42.9010, 76.0610

Conversions

Conversions Part 2

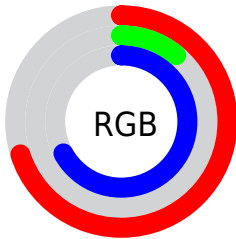
Format	Color
RYB	178, 29, 172
Decimal	11673004
CIELab	43.24, 70.23, -41.35
CIELCh	43, 81.500, 329.509
Yxy	13.3223, 0.3290, 0.1670
Android (android.graphics.Color)	4289863084 (0xFFB21DAC)
YUV	89.8530, 40.4985, 77.3049
Hunter-Lab	36.4997, 64.4797, -39.7800

Details

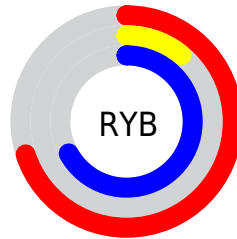
The RYB color **178, 29, 172** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **29, 172, 178**, and the grayscale version is **89, 89, 89**.

A 20% lighter version of the original color is **237, 95, 228**, and **121, 0, 119** is the 20% darker color. If you saturate the color by 10%, you get **178, 11, 171**, and if you desaturate by 10%, it is **178, 47, 173**.

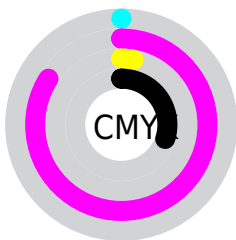
Distribution



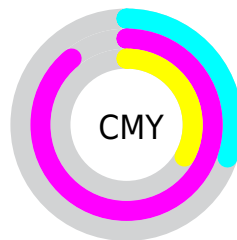
- Red (70%)
- Green (11%)
- Blue (67%)



- Red (70%)
- Yellow (11%)
- Blue (67%)



- Cyan (0%)
- Magenta (84%)
- Yellow (3%)
- Black (30%)



- Cyan (30%)
- Magenta (89%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 178, 29, 172 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 178, 29, 172 by changing the saturation by 10% instead.



178, 29, 172



178, 29, 172

255, 255, 255



149, 0, 145



237, 95, 228



121, 0, 119



255, 124, 255



93, 0, 94



255, 153, 255



66, 0, 69



255, 182, 255



39, 0, 46



255, 211, 255



0, 1, 24



255, 241, 255



0, 0, 0



178, 29, 172



178, 29, 172



178, 11, 171



178, 47, 173

■ 178, 0, 171

■ 178, 65, 173

■ 178, 82, 174

■ 178, 100, 175

■ 178, 118, 176

■ 178, 136, 176

■ 178, 154, 177

■ 178, 171, 178

■ 178, 189, 189

Harmonies

Analogous

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



80, 84, 222



178, 29, 172



213, 0, 106

Triad

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



178, 29, 172



33, 126, 0



0, 73, 168

Complementary

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



178, 29, 172



29, 172, 178

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, 128



178, 29, 172



0, 117, 61

Square

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



178, 29, 172



177, 110, 0



0, 106, 125



0, 80, 220

Rectangle

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



178, 29, 172



214, 0, 62



0, 106, 125



0, 68, 146

Sweetspot

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



178, 29, 172



232, 174, 230



34, 29, 178



117, 82, 116



245, 245, 245



117, 117, 117

Same Dimension

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



178, 29, 172



232, 0, 223



178, 29, 99



89, 80, 89



153, 0, 147



26, 0, 24

Inverse Universe

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



178, 29, 172



232, 0, 223



29, 126, 178



89, 80, 89



153, 0, 147



26, 0, 24

Previews

White Background



This preview shows how the RYB color 178, 29, 172 looks on a white background.

Color Contrast Check

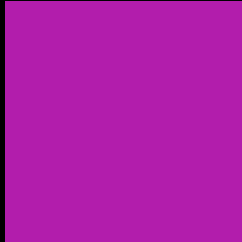
Large Text (above 18pt) WCAG AA ✓ Pass

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 178, 29, 172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

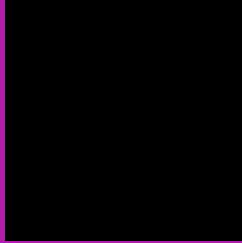
Any Text WCAG AA × Fail

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 178, 29, 172 Background



This preview shows how black text looks on a background with the RYB color 178, 29, 172.

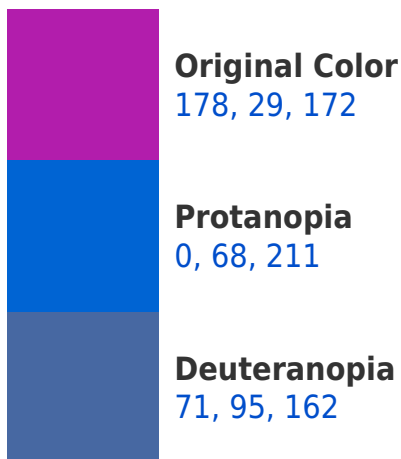


This preview shows how white text looks on a background with the RYB color 178, 29, 172.

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
168, 71, 76

Trichromacy



Original Color

178, 29, 172



Protanomaly

65, 73, 197



Deuteranomaly

110, 76, 166



Tritanomaly

172, 56, 111

Monochromacy



Original Color

178, 29, 172



Achromatopsia

90, 90, 90



Achromatomaly

122, 68, 120

CSS Examples

Text

The CSS property to change the color of the text to RYB 178, 29, 172 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(178, 29, 172)` looks like.

```
.text, #text, p{  
    color:rgb(178, 29, 172)  
}
```

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(178, 29, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 29, 172) }
```

Border

The CSS property to change the border of an element to RYB 178, 29, 172 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(178, 29, 172) }
```

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

```
.border{ border-color:rgb(178, 29, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 29, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 29, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 29, 172);  
box-shadow:4px 4px 4px 4px rgb(178, 29,  
172) }
```

Background

The CSS property to change the background color of an element to RYB 178, 29, 172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 29, 172) }
```

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

```
.background{ background-color: rgb(178, 29,  
172) }
```

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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