

Converting Colors

`RYB(188, 29, 234)`

Have a look what the booklet for
RYB(188, 29, 234) contains.

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Color

R_YB(188, 29, 234)

Conversions

Conversions Part 1

Format	Color
Hex	BC1DEA
RGB	188, 29, 234
RGB Percent	74%, 11%, 92%
CMY	0.2627, 0.8863, 0.0824
CMYK	0.20, 0.88, 0.00, 0.08
HSL	287°, 83%, 52%
HSV	287°, 88%, 92%
XYZ	36.0297, 17.5106, 79.3228
YIQ	99.9110, 28.9590, 97.4630

Conversions

Conversions Part 2

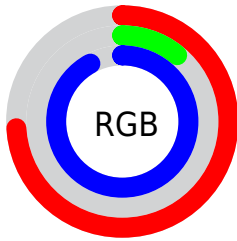
Format	Color
R_{YB}	188, 29, 234
Decimal	12328426
CIE _{Lab}	48.90, 82.13, -68.07
CIE _{LCh}	49, 106.674, 320.350
Yxy	17.5106, 0.2712, 0.1318
Android (android.graphics.Color)	4290518506 (0xFFBC1DEA)
YUV	99.9110, 66.1059, 77.2541
Hunter-Lab	41.8457, 80.4609, -83.0983

Details

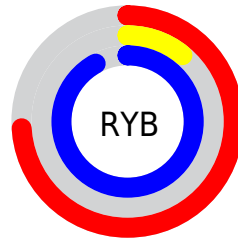
The RYB color **188, 29, 234** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed purple. A complement of this color would be **29, 234, 188**, and the grayscale version is **99, 99, 99**.

A 20% lighter version of the original color is **249, 100, 255**, and **129, 0, 177** is the 20% darker color. If you saturate the color by 10%, you get **183, 6, 234**, and if you desaturate by 10%, it is **193, 52, 234**.

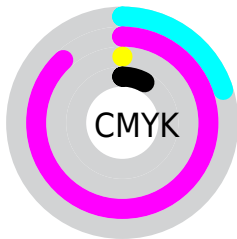
Distribution



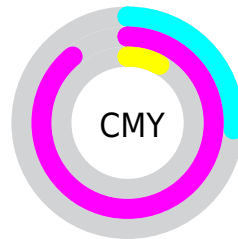
- Red (74%)
- Green (11%)
- Blue (92%)



- Red (74%)
- Yellow (11%)
- Blue (92%)



- Cyan (20%)
- Magenta (88%)
- Yellow (0%)
- Black (8%)



- Cyan (26%)
- Magenta (89%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 188, 29, 234 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 188, 29, 234 by changing the saturation by 10% instead.



188, 29, 234



188, 29, 234

255, 255, 255



158, 0, 205



249, 100, 255



129, 0, 177



255, 130, 255



99, 0, 150



255, 160, 255



69, 0, 123



255, 189, 255



40, 0, 97



255, 219, 255



0, 0, 72



255, 249, 255



0, 4, 48



0, 1, 27



0, 0, 0

■ 188, 29, 234

■ 188, 29, 234

■ 183, 6, 234

■ 193, 52, 234

■ 181, 0, 234

■ 199, 76, 234

■ 204, 99, 234

■ 209, 123, 234

■ 214, 146, 234

■ 220, 169, 234

■ 225, 193, 234

■ 230, 216, 234

■ 234, 240, 239

Harmonies

Analogous

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



0, 75, 255



188, 29, 234



254, 0, 150

Triad

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



188, 29, 234



102, 166, 0



0, 81, 178

Complementary

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



188, 29, 234



29, 234, 188

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, 95, 148



188, 29, 234



0, 130, 49

Square

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



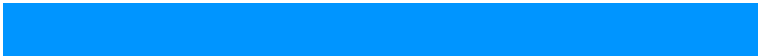
188, 29, 234



227, 44, 0



0, 142, 142



0, 94, 255

Rectangle

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



188, 29, 234



255, 0, 90



0, 142, 142



0, 75, 149

Sweetspot

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



188, 29, 234



240, 189, 255



29, 68, 234



119, 88, 128



0, 0, 0



128, 128, 128

Same Dimension

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



188, 29, 234



198, 0, 255



234, 29, 179



115, 106, 117



140, 0, 181



42, 0, 54

Inverse Universe

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



234, 29, 75



255, 0, 57



29, 191, 234



117, 106, 108



181, 0, 41



54, 0, 12

Previews

White Background



This preview shows how the RYB color 188, 29, 234 looks on a white background.

Color Contrast Check

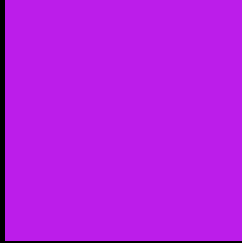
Large Text (above 18pt) WCAG AA ✓ Pass

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 188, 29, 234 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYP 188, 29, 234 Background



This preview shows how black text looks on a background with the RYB color 188, 29, 234.

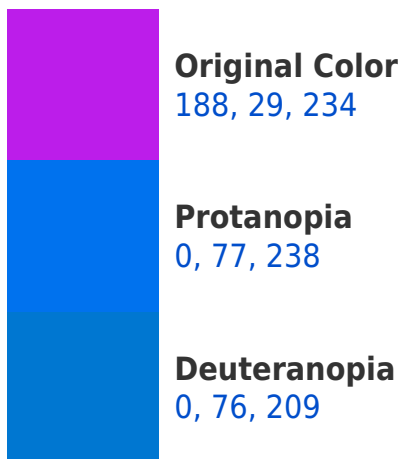


This preview shows how white text looks on a background with the RYB color 188, 29, 234.

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
169, 94, 101

Trichromacy



Original Color

188, 29, 234



Protanomaly

68, 81, 237



Deuteranomaly

68, 84, 218



Tritanomaly

176, 70, 149

Monochromacy



Original Color

188, 29, 234



Achromatopsia

100, 100, 100



Achromatomaly

132, 74, 149

CSS Examples

Text

The CSS property to change the color of the text to RYB 188, 29, 234 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(188, 29, 234)` looks like.

```
.text, #text, p{  
    color:rgb(188, 29, 234)  
}
```

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(188, 29, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 29, 234) }
```

Border

The CSS property to change the border of an element to RYB 188, 29, 234 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(188, 29, 234) }
```

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

```
.border{ border-color:rgb(188, 29, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 29, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 29, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 29, 234);  
box-shadow:4px 4px 4px 4px rgb(188, 29,  
234) }
```

Background

The CSS property to change the background color of an element to RGB 188, 29, 234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 29, 234) }
```

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

```
.background{ background-color: rgb(188, 29,  
234) }
```

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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