

Converting Colors

`RYB(218, 37, 181)`

Have a look what the booklet for
RYB(218, 37, 181) contains.

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Color

R_YB(218, 37, 181)

Conversions

Conversions Part 1

Format	Color
Hex	DA25B5
RGB	218, 37, 181
RGB Percent	85%, 15%, 71%
CMY	0.1451, 0.8549, 0.2902
CMYK	0.00, 0.83, 0.17, 0.15
HSL	312°, 71%, 50%
HSV	312°, 83%, 85%
XYZ	37.9155, 19.5648, 45.4941
YIQ	107.5350, 61.6520, 83.1560

Conversions

Conversions Part 2

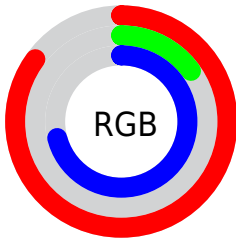
Format	Color
R _Y B	218, 37, 181
Decimal	14296501
CIE Lab	51.34, 77.80, -33.41
CIE LCh	51, 84.675, 336.759
Yxy	19.5648, 0.3682, 0.1900
Android (android.graphics.Color)	4292486581 (0xFFDA25B5)
YUV	107.5350, 36.2182, 96.8778
Hunter-Lab	44.2321, 75.6032, -30.0192

Details

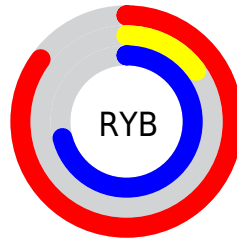
The RYB color **218, 37, 181** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **37, 187, 218**, and the grayscale version is **107, 107, 107**.

A 20% lighter version of the original color is **255, 106, 237**, and **158, 0, 128** is the 20% darker color. If you saturate the color by 10%, you get **218, 15, 177**, and if you desaturate by 10%, it is **218, 59, 185**.

Distribution



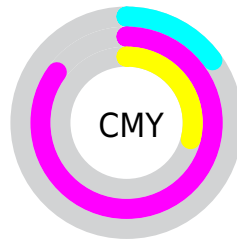
- Red (85%)
- Green (15%)
- Blue (71%)



- Red (85%)
- Yellow (15%)
- Blue (71%)



- Cyan (0%)
- Magenta (83%)
- Yellow (17%)
- Black (15%)




- Cyan (15%)
- Magenta (85%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the RYB color 218, 37, 181 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 218, 37, 181 by changing the saturation by 10% instead.

 218, 37, 181

 218, 37, 181

255, 255, 255

 188, 0, 154

 255, 106, 237

 158, 0, 128

 255, 136, 255

 129, 0, 102

 255, 166, 255

 101, 0, 78

 255, 196, 255

 74, 0, 55

 255, 226, 255

 44, 0, 32

 0, 0, 3

 0, 0, 0

 218, 37, 181

 218, 37, 181

■ 218, 15, 177

■ 218, 59, 185

■ 218, 0, 173

■ 218, 81, 190

■ 218, 102, 194

■ 218, 124, 199

■ 218, 146, 203

■ 218, 168, 208

■ 218, 190, 212

■ 218, 211, 217

■ 218, 231, 233

Harmonies

Analogous

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



138, 93, 240



218, 37, 181



245, 0, 109

Triad

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



218, 37, 181



11, 135, 0



0, 88, 208

Complementary

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



218, 37, 181



37, 187, 218

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, 80, 152



218, 37, 181



0, 141, 92

Square

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



218, 37, 181



193, 191, 0



0, 106, 149



0, 92, 255

Rectangle

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



218, 37, 181



240, 24, 63



0, 106, 149



0, 84, 186

Sweetspot

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



218, 37, 181



255, 191, 242



73, 37, 218



128, 89, 120



0, 0, 0



128, 128, 128

Same Dimension

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



218, 37, 181



255, 0, 203



218, 37, 91



110, 99, 107



173, 0, 138



46, 0, 37

Inverse Universe

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



218, 37, 181



255, 0, 203



37, 143, 218



110, 99, 107



173, 0, 138



46, 0, 37

Previews

White Background



This preview shows how the RYB color 218, 37, 181 looks on a white background.

Color Contrast Check

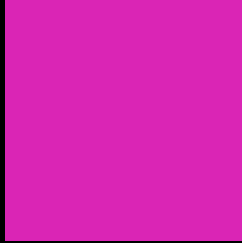
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the RYB color 218, 37, 181 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](#).

RYB 218, 37, 181 Background



This preview shows how black text looks on a background with the RYB color 218, 37, 181.

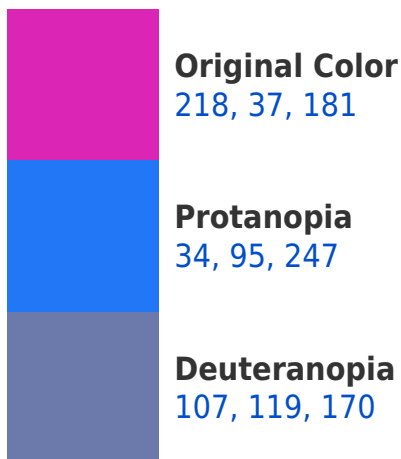


This preview shows how white text looks on a background with the RYB color 218, 37, 181.

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
209, 77, 82

Trichromacy



Original Color

218, 37, 181



Protanomaly

101, 89, 223



Deuteranomaly

147, 91, 174



Tritanomaly

212, 62, 118

Monochromacy



Original Color

218, 37, 181



Achromatopsia

108, 108, 108



Achromatomaly

148, 82, 135

CSS Examples

Text

The CSS property to change the color of the text to RYB 218, 37, 181 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(218, 37, 181)` looks like.

```
.text, #text, p{  
    color:rgb(218, 37, 181)  
}
```

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(218, 37, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 37, 181) }
```

Border

The CSS property to change the border of an element to RYB 218, 37, 181 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(218, 37, 181) }
```

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

```
.border{ border-color:rgb(218, 37, 181) }
```

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

Here you see how a box with a 4 pixel rgb(218, 37, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 37, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 37, 181);  
box-shadow:4px 4px 4px 4px rgb(218, 37,  
181) }
```

Background

The CSS property to change the background color of an element to RGB 218, 37, 181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 37, 181) }
```

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

```
.background{ background-color: rgb(218, 37,  
181) }
```

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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