

Converting Colors

`RYB(225, 81, 218)`

Have a look what the booklet for
RYB(225, 81, 218) contains.

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Color

R_YB(225, 81, 218)

Conversions

Conversions Part 1

Format	Color
Hex	E151DA
RGB	225, 81, 218
RGB Percent	88%, 32%, 85%
CMY	0.1176, 0.6824, 0.1451
CMYK	0.00, 0.64, 0.03, 0.12
HSL	303°, 71%, 60%
HSV	303°, 64%, 88%
XYZ	46.6487, 26.9544, 69.0737
YIQ	139.6740, 41.8470, 73.1350

Conversions

Conversions Part 2

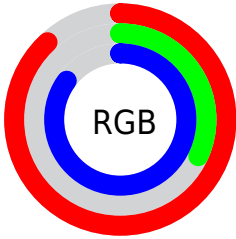
Format	Color
R _Y B	225, 81, 218
Decimal	14766554
CIE Lab	58.93, 71.42, -42.66
CIE LCh	59, 83.186, 329.151
Yxy	26.9544, 0.3270, 0.1889
Android (android.graphics.Color)	4292956634 (0xFFE151DA)
YUV	139.6740, 38.6147, 74.8309
Hunter-Lab	51.9176, 69.5289, -42.5400

Details

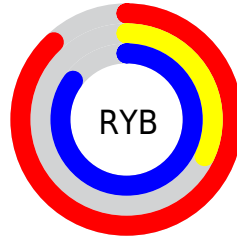
The RYB color **225, 81, 218** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **81, 218, 225**, and the grayscale version is **139, 139, 139**.

A 20% lighter version of the original color is **255, 139, 255**, and **166, 0, 162** is the 20% darker color. If you saturate the color by 10%, you get **225, 59, 217**, and if you desaturate by 10%, it is **225, 103, 219**.

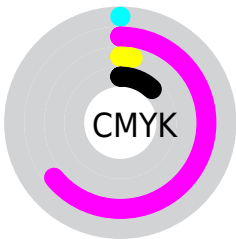
Distribution



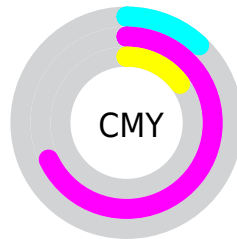
- Red (88%)
- Green (32%)
- Blue (85%)



- Red (88%)
- Yellow (32%)
- Blue (85%)



- Cyan (0%)
- Magenta (64%)
- Yellow (3%)
- Black (12%)



















- Cyan (12%)
- Magenta (68%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 225, 81, 218 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 225, 81, 218 by changing the saturation by 10% instead.

 225, 81, 218	 225, 81, 218
 255, 255, 255	 195, 49, 190
 255, 139, 255	 166, 0, 162
 255, 168, 255	 137, 0, 136
 255, 198, 255	 109, 0, 110
 255, 227, 255	 81, 0, 85
	 56, 0, 61
	 25, 0, 38
	 0, 1, 15
	 0, 0, 0

■ 225, 81, 218

■ 225, 81, 218

■ 225, 59, 217

■ 225, 103, 219

■ 225, 36, 216

■ 225, 126, 220

■ 225, 14, 215

■ 225, 148, 221

■ 225, 0, 214

■ 225, 171, 222

■ 225, 194, 223

■ 225, 216, 225

■ 225, 238, 239

■ 225, 253, 255

■ 225, 252, 255

Harmonies

Analogous

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



127, 123, 255



225, 81, 218



255, 43, 147

Triad

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



225, 81, 218



44, 173, 0



0, 95, 212

Complementary

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



225, 81, 218



81, 218, 225

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, 96, 173



225, 81, 218



0, 158, 58

Square

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



225, 81, 218



228, 202, 0



0, 124, 168



0, 101, 255

Rectangle

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



225, 81, 218



255, 52, 99



0, 124, 168



0, 90, 188

Sweetspot

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



225, 81, 218



255, 207, 253



86, 81, 225



128, 98, 126



0, 0, 0



128, 128, 128

Same Dimension

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



225, 81, 218



255, 59, 245



225, 81, 148



112, 101, 112



176, 0, 167



48, 0, 46

Inverse Universe

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



225, 81, 218



255, 59, 245



81, 175, 225



112, 101, 112



176, 0, 167



48, 0, 46

Previews

White Background



This preview shows how the RYB color 225, 81, 218 looks on a white background.

Color Contrast Check

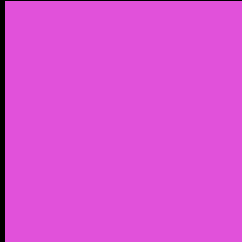
Large Text (above 18pt) WCAG AA ✓ Pass

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 225, 81, 218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

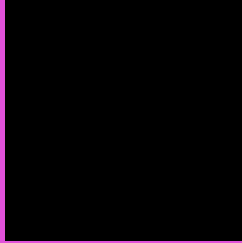
Any Text WCAG AA ✓ Pass

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](#).

R Y B 225, 81, 218 Background



This preview shows how black text looks on a background with the R Y B color 225, 81, 218.

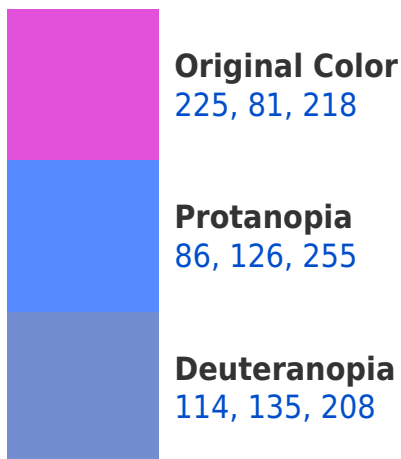


This preview shows how white text looks on a background with the R Y B color 225, 81, 218.

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
214, 110, 118

Trichromacy



Original Color

225, 81, 218



Protanomaly

137, 117, 242



Deuteranomaly

154, 119, 212



Tritanomaly

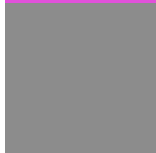
218, 99, 154

Monochromacy



Original Color

225, 81, 218



Achromatopsia

140, 140, 140



Achromatomaly

171, 119, 168

CSS Examples

Text

The CSS property to change the color of the text to RYB 225, 81, 218 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(225, 81, 218) looks like.

```
.text, #text, p{  
    color:rgb(225, 81, 218)  
}
```

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(225, 81, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 81, 218) }
```

Border

The CSS property to change the border of an element to RYB 225, 81, 218 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(225, 81, 218) }
```

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

```
.border{ border-color:rgb(225, 81, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 81, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 81, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 81, 218);  
box-shadow:4px 4px 4px 4px rgb(225, 81,  
218) }
```

Background

The CSS property to change the background color of an element to RGB 225, 81, 218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 81, 218) }
```

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

```
.background{ background-color: rgb(225, 81,  
218) }
```

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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