

Converting Colors

`RYB(221, 85, 217)`

Have a look what the booklet for
RYB(221, 85, 217) contains.

RYB(221, 85, 217)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

$\text{RYB}(221, 85, 217)$

Conversions

Conversions Part 1

Format	Color
Hex	DD55D9
RGB	221, 85, 217
RGB Percent	87%, 33%, 85%
CMY	0.1333, 0.6667, 0.1490
CMYK	0.00, 0.62, 0.02, 0.13
HSL	302°, 67%, 60%
HSV	302°, 62%, 87%
XYZ	45.5917, 26.8789, 68.4308
YIQ	140.7120, 38.6840, 69.8840

Conversions

Conversions Part 2

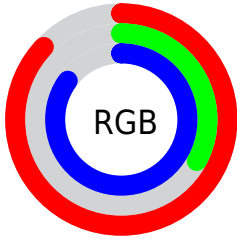
Format	Color
R_{YB}	221, 85, 217
Decimal	14505433
CIE _{Lab}	58.86, 68.72, -42.24
CIE _{LCh}	59, 80.662, 328.420
Yxy	26.8789, 0.3236, 0.1908
Android (android.graphics.Color)	4292695513 (0xFFDD55D9)
YUV	140.7120, 37.6100, 70.4126
Hunter-Lab	51.8449, 66.2420, -41.9664

Details

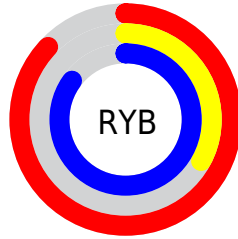
The RYB color **221, 85, 217** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **85, 217, 221**, and the grayscale version is **140, 140, 140**.

A 20% lighter version of the original color is **255, 142, 255**, and **163, 11, 162** is the 20% darker color. If you saturate the color by 10%, you get **221, 63, 216**, and if you desaturate by 10%, it is **221, 107, 218**.

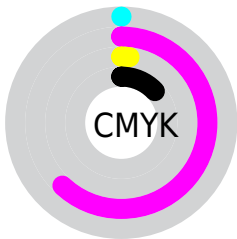
Distribution



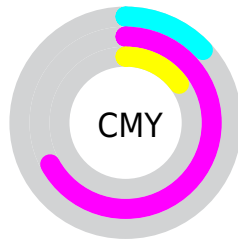
- Red (87%)
- Green (33%)
- Blue (85%)



- Red (87%)
- Yellow (33%)
- Blue (85%)



- Cyan (0%)
- Magenta (62%)
- Yellow (2%)
- Black (13%)



















- Cyan (13%)
- Magenta (67%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 221, 85, 217 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 221, 85, 217 by changing the saturation by 10% instead.

 221, 85, 217	 221, 85, 217
 255, 255, 255	 192, 54, 189
 255, 142, 255	 163, 11, 162
 255, 171, 255	 134, 0, 135
 255, 200, 255	 106, 0, 109
 255, 230, 255	 78, 0, 84
	 54, 0, 61
	 21, 0, 38
	 0, 1, 14
	 0, 0, 0

■ 221, 85, 217

■ 221, 85, 217

■ 221, 63, 216

■ 221, 107, 218

■ 221, 41, 216

■ 221, 129, 218

■ 221, 19, 215

■ 221, 151, 219

■ 221, 0, 214

■ 221, 173, 220

■ 221, 195, 220

■ 221, 218, 221

■ 221, 239, 240

■ 221, 254, 255

■ 221, 253, 255

Harmonies

Analogous

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



125, 124, 255



221, 85, 217



255, 51, 149

Triad

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



221, 85, 217



45, 174, 0



0, 94, 208

Complementary

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



221, 85, 217



85, 217, 221

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, 172



221, 85, 217



0, 157, 53

Square

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



221, 85, 217



227, 202, 0



0, 122, 167



0, 101, 255

Rectangle

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



221, 85, 217



255, 58, 102



0, 122, 167



0, 89, 185

Sweetspot

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



221, 85, 217



255, 209, 254



87, 85, 221



128, 99, 127



0, 0, 0



128, 128, 128

Same Dimension

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



221, 85, 217



255, 66, 249



221, 85, 151



110, 99, 109



173, 0, 168



46, 0, 45

Inverse Universe

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



221, 85, 217



255, 66, 249



85, 175, 221



110, 99, 109



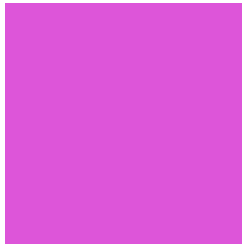
173, 0, 168



46, 0, 45

Previews

White Background



This preview shows how the RYB color 221, 85, 217 looks on a white background.

Color Contrast Check

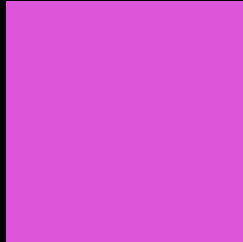
Large Text (above 18pt) WCAG AA ✓ Pass

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 221, 85, 217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

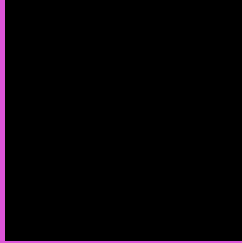
Any Text WCAG AA ✓ Pass

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 221, 85, 217 Background



This preview shows how black text looks on a background with the RYB color 221, 85, 217.

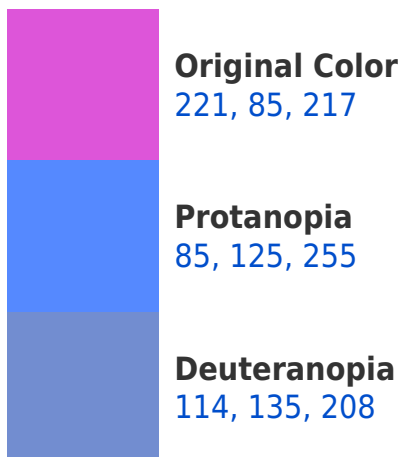


This preview shows how white text looks on a background with the RYB color 221, 85, 217.

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
210, 112, 121

Trichromacy



Original Color

221, 85, 217



Protanomaly

134, 119, 241



Deuteranomaly

153, 121, 211



Tritanomaly

214, 102, 156

Monochromacy



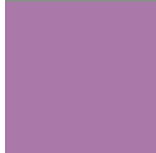
Original Color

221, 85, 217



Achromatopsia

141, 141, 141



Achromatomaly

170, 121, 169

CSS Examples

Text

The CSS property to change the color of the text to RYB 221, 85, 217 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(221, 85, 217)` looks like.

```
.text, #text, p{  
    color:rgb(221, 85, 217)  
}
```

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(221, 85, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 85, 217) }
```

Border

The CSS property to change the border of an element to RYB 221, 85, 217 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(221, 85, 217) }
```

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

```
.border{ border-color:rgb(221, 85, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 85, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 85, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 85, 217); box-shadow:4px 4px 4px 4px rgb(221, 85, 217) }
```

Background

The CSS property to change the background color of an element to RGB 221, 85, 217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 85, 217) }
```

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

```
.background{ background-color: rgb(221, 85,  
217) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor