

Converting Colors

RGB(221, 85, 167)

Have a look what the booklet for
RGB(221, 85, 167) contains.

RGB(221, 85, 167)	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

RGB(221, 85, 167)

Conversions

Conversions Part 1

Format	Color
Hex	DD55A7
RGB	221, 85, 167
RGB Percent	87%, 33%, 65%
CMY	0.1333, 0.6667, 0.3451
CMYK	0.00, 0.62, 0.24, 0.13
HSL	324°, 67%, 60%
HSV	324°, 62%, 87%
XYZ	40.0423, 24.6592, 39.2084
YIQ	135.0120, 54.7340, 54.3340

Conversions

Conversions Part 2

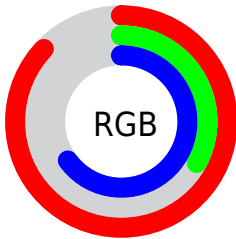
Format	Color
R_{YB}	221, 85, 167
Decimal	14505383
CIE _{Lab}	56.74, 61.28, -16.87
CIE _{LCh}	57, 63.564, 344.608
Yxy	24.6592, 0.3854, 0.2373
Android (android.graphics.Color)	4292695463 (0xFFDD55A7)
YUV	135.0120, 15.7701, 75.4115
Hunter-Lab	49.6580, 57.0342, -12.0530

Details

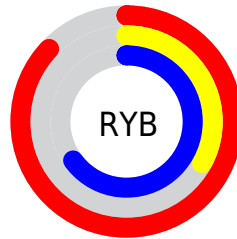
The RGB color **221, 85, 167** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **85, 221, 139**, and the grayscale version is **135, 135, 135**.

A 20% lighter version of the original color is **255, 141, 222**, and **162, 18, 115** is the 20% darker color. If you saturate the color by 10%, you get **221, 63, 158**, and if you desaturate by 10%, it is **221, 107, 176**.

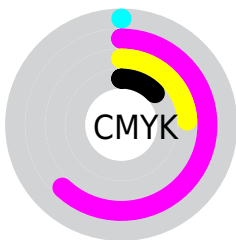
Distribution



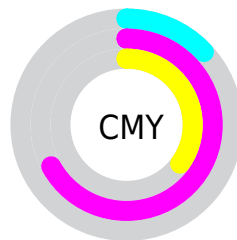
- Red (87%)
- Green (33%)
- Blue (65%)



- Red (87%)
- Yellow (33%)
- Blue (65%)



- Cyan (0%)
- Magenta (62%)
- Yellow (24%)
- Black (13%)


















- Cyan (13%)
- Magenta (67%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the RGB color 221, 85, 167 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 RGB color 221, 85, 167 by changing the saturation by 10% instead.

 221, 85, 167	 221, 85, 167
 255, 255, 255	 191, 56, 141
 255, 141, 222	 162, 18, 115
 255, 170, 251	 134, 0, 90
 255, 199, 255	 106, 0, 67
 255, 228, 255	 78, 0, 44
	 52, 0, 24
	 11, 0, 0
	 0, 0, 0

 221, 85, 167	 221, 85, 167
--	--

■ 221, 63, 158

■ 221, 107, 176

■ 221, 41, 149

■ 221, 129, 185

■ 221, 19, 141

■ 221, 151, 193

■ 221, 0, 133

■ 221, 173, 202

■ 221, 195, 211

■ 221, 218, 220

■ 221, 240, 228

■ 221, 255, 237

■ 221, 255, 246

Harmonies

Analogous

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



173, 109, 216



221, 85, 167



235, 81, 111

Triad

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



221, 85, 167



137, 142, 0



0, 159, 213

Complementary

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



221, 85, 167



85, 221, 139

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, 162, 162



221, 85, 167



72, 154, 50

Square

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



221, 85, 167



186, 123, 10



0, 160, 105



0, 150, 243

Rectangle

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



221, 85, 167



228, 91, 76



0, 160, 105



0, 161, 198

Sweetspot

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



221, 85, 167



255, 209, 237



137, 85, 221



128, 99, 116



0, 0, 0



128, 128, 128

Same Dimension

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



221, 85, 167



255, 66, 180



221, 85, 101



110, 99, 105



173, 0, 105



46, 0, 28

Inverse Universe

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



221, 85, 167



255, 66, 180



85, 221, 205



110, 99, 105



173, 0, 105



46, 0, 28

Previews

White Background



This preview shows how the RGB color 221, 85, 167 looks on a white background.

Color Contrast Check

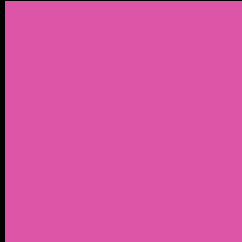
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the RGB color 221, 85, 167 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](#).

RGB 221, 85, 167 Background



This preview shows how black text looks on a background with the RGB color 221, 85, 167.

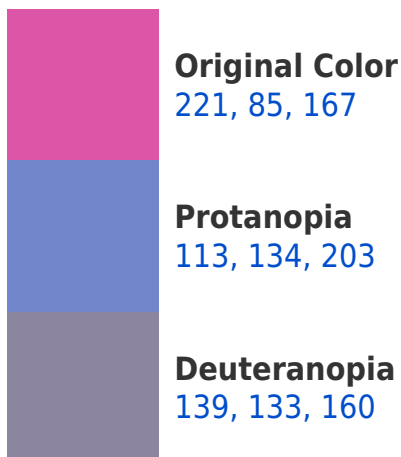


This preview shows how white text looks on a background with the RGB color 221, 85, 167.

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
216, 100, 106

Trichromacy



Original Color

221, 85, 167



Protanomaly

152, 116, 190



Deuteranomaly

169, 116, 163



Tritanomaly

218, 95, 128

Monochromacy



Original Color

221, 85, 167



Achromatopsia

135, 135, 135



Achromatomaly

166, 117, 147

CSS Examples

Text

The CSS property to change the color of the text to RGB 221, 85, 167 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, 167)` looks like.

```
.text, #text, p{  
    color:rgb(221, 85, 167)  
}
```

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, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 85, 167) }
```

Border

The CSS property to change the border of an element to RGB 221, 85, 167 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, 167) }
```

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

```
.border{ border-color:rgb(221, 85, 167) }
```

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, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 85, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 85, 167); box-shadow:4px 4px 4px 4px rgb(221, 85, 167) }
```

Background

The CSS property to change the background color of an element to RGB 221, 85, 167 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, 167) }
```

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

```
.background{ background-color: rgb(221, 85,  
167) }
```

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