

# Converting Colors

RGB(212, 45, 157)

Have a look what the booklet for  
RGB(212, 45, 157) contains.

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# Color

**RGB(212, 45, 157)**

# Conversions

Conversions Part 1	
Format	Color
Hex	D42D9D
RGB	212, 45, 157
RGB Percent	83%, 18%, 62%
CMY	0.1686, 0.8235, 0.3843
CMYK	0.00, 0.79, 0.26, 0.17
HSL	320°, 66%, 50%
HSV	320°, 79%, 83%
XYZ	34.1756, 18.3081, 33.6309
YIQ	107.7010, 63.5800, 70.2360

# Conversions

## Conversions Part 2

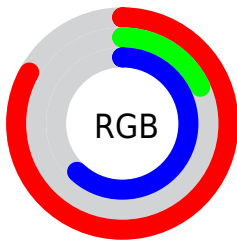
Format	Color
<a href="#">RYB</a>	<a href="#">212, 45, 157</a>
Decimal	<a href="#">13905309</a>
CIELab	<a href="#">49.87, 71.63, -21.63</a>
CIELCh	<a href="#">50, 74.827, 343.199</a>
Yxy	<a href="#">18.3081, 0.3969, 0.2126</a>
Android (android.graphics.Color)	<a href="#">4292095389</a> (0xFFD42D9D)
YUV	<a href="#">107.7010, 24.3044, 91.4702</a>
Hunter-Lab	<a href="#">42.7880, 67.6922, -16.6496</a>

# Details

The RGB color **212, 45, 157** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle washed rose. A complement of this color would be **45, 212, 100**, and the grayscale version is **107, 107, 107**.

A 20% lighter version of the original color is **255, 109, 212**, and **153, 0, 105** is the 20% darker color. If you saturate the color by 10%, you get **212, 24, 150**, and if you desaturate by 10%, it is **212, 66, 164**.

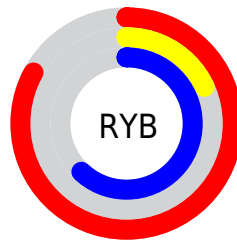
# Distribution



Red (83%)

Green (18%)

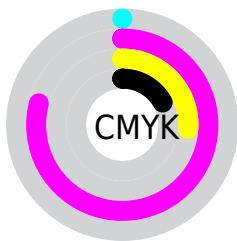
Blue (62%)



Red (83%)

Yellow (18%)

Blue (62%)

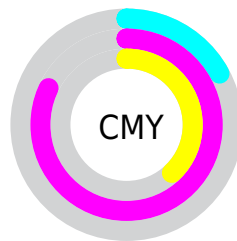


Cyan (0%)

Magenta (79%)

Yellow (26%)

Black (17%)



Cyan (17%)

Magenta (82%)
















Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 212, 45, 157 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 212, 45, 157 by changing the saturation by 10% instead.




 212, 45, 157	 212, 45, 157
 255, 255, 255	 182, 0, 131
 255, 109, 212	 153, 0, 105
 255, 138, 240	 124, 0, 81
 255, 168, 255	 95, 0, 58
 255, 197, 255	 69, 0, 37
 255, 227, 255	 39, 0, 11
	 0, 0, 0

 212, 45, 157	 212, 45, 157
 212, 24, 150	 212, 66, 164


 212, 3, 143


 212, 87, 171

 212, 0, 142

 212, 109, 178

 212, 130, 185

 212, 151, 192

 212, 172, 199

 212, 193, 206

 212, 215, 213

 212, 236, 220

# Harmonies

## Analogous

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



154, 86, 213



212, 45, 157



228, 31, 94

# Triad

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



212, 45, 157



118, 125, 0



0, 144, 205

# Complementary

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



212, 45, 157



45, 212, 100

# 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, 146, 146



212, 45, 157



33, 137, 0

# Square

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



212, 45, 157



173, 102, 0



0, 144, 79



0, 136, 242

# Rectangle

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



212, 45, 157



220, 56, 53



0, 144, 79



0, 145, 187



# Sweetspot

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



212, 45, 157



255, 194, 235



98, 45, 212



128, 91, 115



0, 0, 0



128, 128, 128



# Same Dimension

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



212, 45, 157



255, 13, 175



212, 45, 76



107, 96, 104



171, 0, 115



43, 0, 29



# Inverse Universe

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



212, 45, 157



255, 13, 175



45, 212, 181



107, 96, 104



171, 0, 115



43, 0, 29



# Previews

## White Background



This preview shows how the RGB color 212, 45, 157 looks on a white background.

## Color Contrast Check

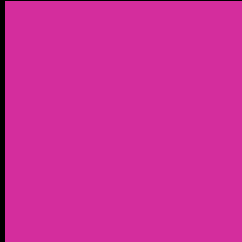
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the RGB color 212, 45, 157 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 212, 45, 157 Background



This preview shows how black text looks on a background with the RGB color 212, 45, 157.



This preview shows how white text looks on a background with the RGB color 212, 45, 157.

# 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



**Original Color**

212, 45, 157

**Protanopia**

76, 116, 211

**Deuteranopia**

116, 117, 148



# Tritanopia

206, 73, 77

# Trichromacy



**Original Color**

212, 45, 157



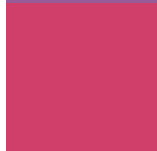
**Protanomaly**

125, 90, 191



**Deuteranomaly**

151, 91, 151



**Tritanomaly**

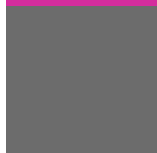
208, 63, 106

# Monochromacy



**Original Color**

212, 45, 157



**Achromatopsia**

108, 108, 108



**Achromatomaly**

146, 85, 126

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 212, 45, 157 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(212, 45, 157) looks like.

```
.text, #text, p{  
    color:rgb(212, 45, 157)  
}
```

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(212, 45, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 45, 157) }
```

## Border

The CSS property to change the border of an element to RGB 212, 45, 157 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(212, 45, 157) }
```

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

```
.border{ border-color:rgb(212, 45, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 45, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 45, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 45, 157);  
box-shadow:4px 4px 4px 4px rgb(212, 45,  
157) }
```

# Background

The CSS property to change the background color of an element to RGB 212, 45, 157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 45, 157) }
```

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

```
.background{ background-color: rgb(212, 45,  
157) }
```

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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