

# Converting Colors

RGB(205, 126, 221)

Have a look what the booklet for  
RGB(205, 126, 221) contains.

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# **Color**

**RGB(205, 126, 221)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CD7EDD
RGB	205, 126, 221
RGB Percent	80%, 49%, 87%
CMY	0.1961, 0.5059, 0.1333
CMYK	0.07, 0.43, 0.00, 0.13
HSL	290°, 58%, 68%
HSV	290°, 43%, 87%
XYZ	45.6888, 33.1213, 72.3916
YIQ	160.4510, 16.5890, 46.2930

# Conversions

## Conversions Part 2

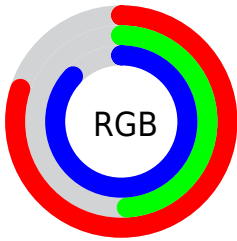
<b>Format</b>	<b>Color</b>
<b>RYB</b>	205, 126, 221
Decimal	13467357
CIELab	64.26, 45.73, -36.18
CIELCh	64, 58.313, 321.651
Yxy	33.1213, 0.3022, 0.2191
Android (android.graphics.Color)	4291657437 (0xFFCD7EDD)
YUV	160.4510, 29.8507, 39.0695
Hunter-Lab	57.5511, 40.9936, -34.2931

# Details

The RGB color **205, 126, 221** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **142, 221, 126**, and the grayscale version is **160, 160, 160**.

A 20% lighter version of the original color is **255, 180, 255**, and **149, 74, 166** is the 20% darker color. If you saturate the color by 10%, you get **201, 104, 221**, and if you desaturate by 10%, it is **209, 148, 221**.

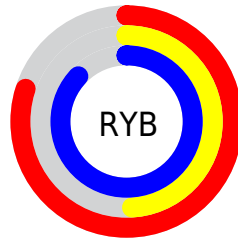
# Distribution



Red (80%)

Green (49%)

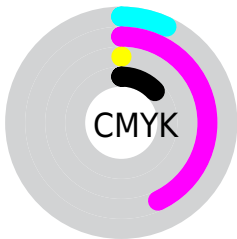
Blue (87%)



Red (80%)

Yellow (49%)

Blue (87%)

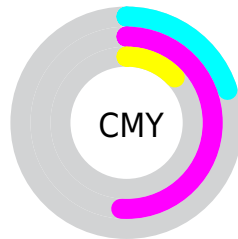


Cyan (7%)

Magenta (43%)

Yellow (0%)

Black (13%)



Cyan (20%)

Magenta (51%)

Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the RGB color 205, 126, 221 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 205, 126, 221 by changing the saturation by 10% instead.



 205, 126, 221

 205, 126, 221

255, 255, 255

 177, 100, 193

 255, 180, 255

 149, 74, 166

 255, 209, 255


 122, 48, 139

 255, 237, 255

 95, 21, 113

 70, 0, 88

 45, 0, 64


 18, 0, 42

 0, 1, 19

 0, 0, 0

 205, 126, 221


 205, 126, 221


 201, 104, 221


 209, 148, 221

 198, 82, 221


 212, 170, 221

 194, 60, 221

 216, 192, 221

 190, 38, 221


 220, 214, 221

 186, 15, 221

 224, 237, 221

 184, 0, 221

 227, 255, 221

 231, 255, 221

 235, 255, 221

 238, 255, 221

# Harmonies

## Analogous

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



131, 148, 253



205, 126, 221



243, 110, 173

# Triad

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



205, 126, 221



196, 148, 46



0, 181, 193

# Complementary

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



205, 126, 221



142, 221, 126

# 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, 180, 139



205, 126, 221



147, 164, 51

# Square

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



205, 126, 221



233, 128, 75



82, 175, 88



0, 177, 236

# Rectangle

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



205, 126, 221



251, 108, 137



82, 175, 88



0, 181, 175



# Sweetspot

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



205, 126, 221



249, 222, 255



126, 143, 221



124, 107, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



205, 126, 221



233, 122, 255



221, 126, 191



108, 99, 110



144, 0, 173



38, 0, 46



# Inverse Universe

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



221, 126, 142



255, 122, 145



126, 221, 156



110, 99, 101



173, 0, 29



46, 0, 8



# Previews

## White Background



This preview shows how the RGB color 205, 126, 221 looks on a white background.

## Color Contrast Check

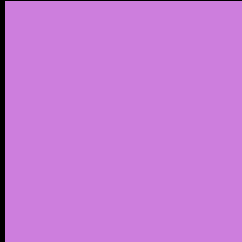
Large Text (above 18pt) WCAG AA × Fail

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 205, 126, 221 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

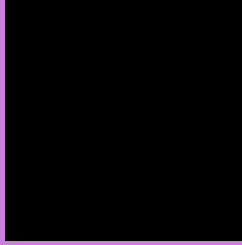
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RGB 205, 126, 221 Background



This preview shows how black text looks on a background with the RGB color 205, 126, 221.

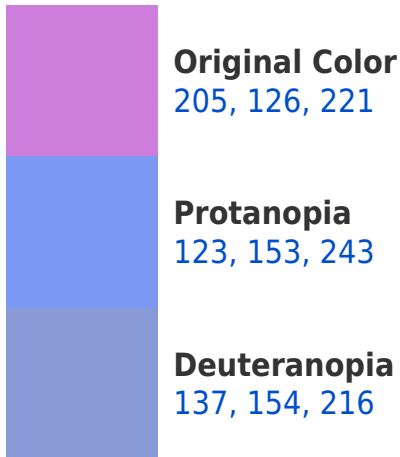



This preview shows how white text looks on a background with the RGB color 205, 126, 221.

# 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**  
195, 141, 152

# Trichromacy



**Original Color**

205, 126, 221



**Protanomaly**

153, 143, 235



**Deuteranomaly**

162, 144, 218



**Tritanomaly**

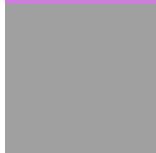
199, 136, 177

# Monochromacy



**Original Color**

205, 126, 221



**Achromatopsia**

160, 160, 160



**Achromatomaly**

176, 148, 182

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 205, 126, 221 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(205, 126, 221)` looks like.

```
.text, #text, p{  
    color:rgb(205, 126, 221)  
}
```

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(205, 126, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 126, 221) }
```

## Border

The CSS property to change the border of an element to RGB 205, 126, 221 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(205, 126, 221) }
```

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

```
.border{ border-color:rgb(205, 126, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 126, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 126, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 126, 221);  
box-shadow:4px 4px 4px 4px rgb(205, 126,  
221) }
```

# Background

The CSS property to change the background color of an element to RGB 205, 126, 221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 126, 221) }
```

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

```
.background{ background-color: rgb(205,  
126, 221) }
```

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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