

# Converting Colors

`RYB(213, 126, 186)`

Have a look what the booklet for  
RYB(213, 126, 186) contains.

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# Color

**$\text{RYB}(213, 126, 186)$**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D57EBA
RGB	213, 126, 186
RGB Percent	84%, 49%, 73%
CMY	0.1647, 0.5059, 0.2706
CMYK	0.00, 0.41, 0.13, 0.16
HSL	319°, 51%, 66%
HSV	319°, 41%, 84%
XYZ	43.7644, 32.6130, 50.4427
YIQ	158.8530, 32.5920, 37.1040

# Conversions

## Conversions Part 2

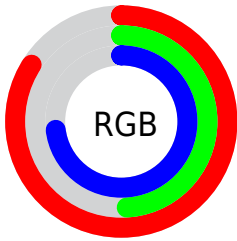
Format	Color
R <sub>Y</sub> B	213, 126, 186
Decimal	13991610
CIE Lab	63.85, 41.93, -17.09
CIE LCh	64, 45.281, 337.828
Yxy	32.6130, 0.3451, 0.2572
Android (android.graphics.Color)	4292181690 (0xFFD57EBA)
YUV	158.8530, 13.3835, 47.4869
Hunter-Lab	57.1078, 36.8542, -12.3947

# Details

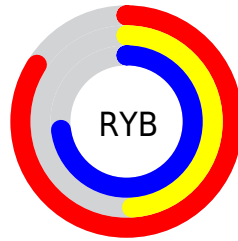
The RYB color **213, 126, 186** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **126, 192, 213**, and the grayscale version is **159, 159, 159**.

A 20% lighter version of the original color is **255, 180, 242**, and **157, 74, 133** is the 20% darker color. If you saturate the color by 10%, you get **213, 105, 179**, and if you desaturate by 10%, it is **213, 147, 193**.

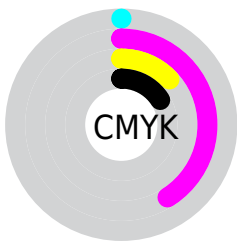
# Distribution



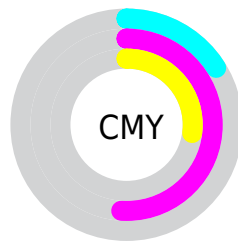
- Red (84%)
- Green (49%)
- Blue (73%)



- Red (84%)
- Yellow (49%)
- Blue (73%)



- Cyan (0%)
- Magenta (41%)
- Yellow (13%)
- Black (16%)



- Cyan (16%)
- Magenta (51%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 213, 126, 186 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 213, 126, 186 by changing the saturation by 10% instead.



 213, 126, 186

255, 255, 255

 255, 180, 242

 255, 208, 255

 255, 237, 255

 213, 126, 186

 185, 100, 159

 157, 74, 133

 129, 49, 107

 103, 21, 83

 77, 0, 60

 53, 0, 38

 25, 0, 16


 0, 0, 0


 213, 126, 186


 213, 126, 186

 213, 105, 179


 213, 147, 193

 213, 83, 173


 213, 169, 199

 213, 62, 166


 213, 190, 206

 213, 41, 160

 213, 211, 212

 213, 19, 153

 213, 228, 233

 213, 0, 147

 213, 244, 254

 213, 242, 255

 213, 239, 255

 213, 237, 255

# Harmonies

## Analogous

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



172, 140, 219



213, 126, 186



230, 121, 146

# Triad

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



213, 126, 186



87, 169, 72



0, 94, 203

# Complementary

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



213, 126, 186



126, 192, 213

# 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, 90, 175



213, 126, 186



89, 167, 130

# Square

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



213, 126, 186



204, 204, 80



69, 137, 173



0, 97, 229

# Rectangle

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



213, 126, 186



230, 124, 119



69, 137, 173



0, 91, 191



# Sweetspot

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



213, 126, 186



255, 224, 246



152, 126, 213



128, 110, 122



0, 0, 0



128, 128, 128



# Same Dimension

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



213, 126, 186



255, 130, 216



213, 126, 143



107, 96, 104



171, 0, 118



43, 0, 30



# Inverse Universe

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



213, 126, 186



255, 130, 216



126, 174, 213



107, 96, 104



171, 0, 118



43, 0, 30



# Previews

## White Background



This preview shows how the RYB color 213, 126, 186 looks on a white background.

## Color Contrast Check

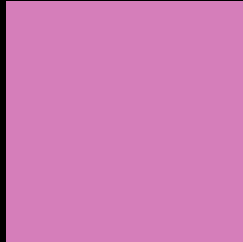
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the RYB color 213, 126, 186 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

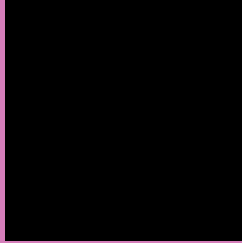
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **RYB 213, 126, 186 Background**



This preview shows how black text looks on a background with the RYB color 213, 126, 186.

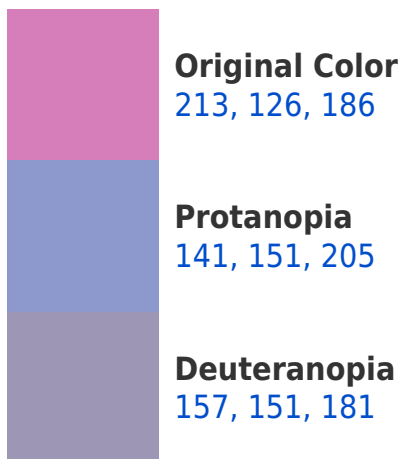



This preview shows how white text looks on a background with the RYB color 213, 126, 186.

# 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**  
208, 134, 144

# Trichromacy



**Original Color**

213, 126, 186



**Protanomaly**

167, 143, 198



**Deuteranomaly**

177, 142, 183



**Tritanomaly**

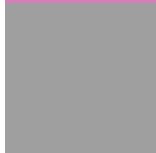
210, 131, 159

# Monochromacy



**Original Color**

213, 126, 186



**Achromatopsia**

159, 159, 159



**Achromatomaly**

179, 147, 169

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 213, 126, 186 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(213, 126, 186) looks like.

```
.text, #text, p{  
    color:rgb(213, 126, 186)  
}
```

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(213, 126, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 126, 186) }
```

## Border

The CSS property to change the border of an element to RYB 213, 126, 186 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(213, 126, 186) }
```

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

```
.border{ border-color:rgb(213, 126, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 126, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 126, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 126, 186);  
box-shadow:4px 4px 4px 4px rgb(213, 126,  
186) }
```

# Background

The CSS property to change the background color of an element to RGB 213, 126, 186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 126, 186) }
```

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

```
.background{ background-color: rgb(213,  
126, 186) }
```

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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