

Converting Colors

`RYB(213, 126, 235)`

Have a look what the booklet for
RYB(213, 126, 235) contains.

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Color

`RYB(213, 126, 235)`

Conversions

Conversions Part 1

Format	Color
Hex	D57EEB
RGB	213, 126, 235
RGB Percent	84%, 49%, 92%
CMY	0.1647, 0.5059, 0.0784
CMYK	0.09, 0.46, 0.00, 0.08
HSL	288°, 73%, 71%
HSV	288°, 46%, 92%
XYZ	49.8968, 35.0660, 82.7358
YIQ	164.4390, 16.8630, 52.3430

Conversions

Conversions Part 2

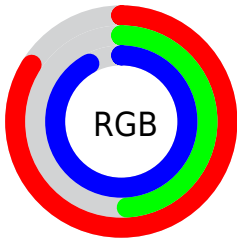
Format	Color
R _Y B	213, 126, 235
Decimal	13991659
CIE Lab	65.80, 50.76, -41.47
CIE LCh	66, 65.549, 320.753
Yxy	35.0660, 0.2975, 0.2091
Android (android.graphics.Color)	4292181739 (0xFFD57EEB)
YUV	164.4390, 34.7866, 42.5880
Hunter-Lab	59.2166, 46.7780, -41.3869

Details

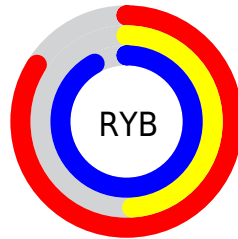
The RYB color **213, 126, 235** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **126, 235, 213**, and the grayscale version is **164, 164, 164**.

A 20% lighter version of the original color is **255, 181, 255**, and **156, 73, 179** is the 20% darker color. If you saturate the color by 10%, you get **208, 103, 235**, and if you desaturate by 10%, it is **218, 149, 235**.

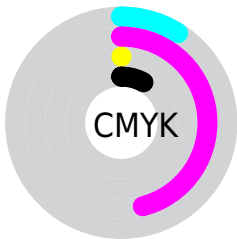
Distribution



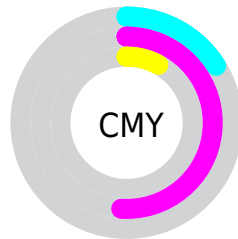
- Red (84%)
- Green (49%)
- Blue (92%)



- Red (84%)
- Yellow (49%)
- Blue (92%)



- Cyan (9%)
- Magenta (46%)
- Yellow (0%)
- Black (8%)



- Cyan (16%)
- Magenta (51%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 213, 126, 235 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, 235 by changing the saturation by 10% instead.

 213, 126, 235

 213, 126, 235

255, 255, 255

 184, 99, 207


 255, 181, 255

 156, 73, 179

 255, 209, 255

 129, 47, 152


 255, 238, 255

 102, 16, 125

 75, 0, 100

 49, 0, 75


 25, 0, 52


 0, 2, 30


 0, 0, 0


 213, 126, 235


 213, 126, 235

 208, 103, 235

 218, 149, 235

 204, 79, 235

 222, 173, 235

 199, 56, 235

 227, 197, 235

 194, 32, 235

 232, 220, 235

 189, 9, 235

 235, 244, 242

 188, 0, 235

 235, 255, 249

 235, 255, 244

 235, 255, 239

 235, 255, 235

Harmonies

Analogous

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



125, 147, 255



213, 126, 235



255, 105, 181

Triad

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



213, 126, 235



108, 205, 30



0, 97, 200

Complementary

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



213, 126, 235



126, 235, 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, 107, 187



213, 126, 235



35, 169, 54

Square

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



213, 126, 235



246, 155, 69



76, 176, 181



0, 106, 250

Rectangle

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



213, 126, 235



255, 103, 141



76, 176, 181



0, 96, 188

Sweetspot

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



213, 126, 235



248, 219, 255



126, 146, 235



123, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



213, 126, 235



226, 112, 255



235, 126, 204



115, 106, 117



145, 0, 181



43, 0, 54

Inverse Universe

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



235, 126, 148



255, 112, 141



126, 211, 235



117, 106, 108



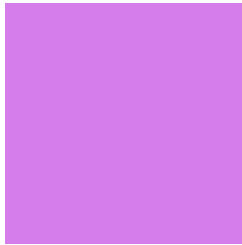
181, 0, 37



54, 0, 11

Previews

White Background



This preview shows how the RYB color 213, 126, 235 looks on a white background.

Color Contrast Check

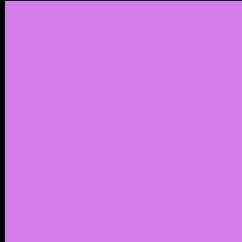
Large Text (above 18pt) WCAG AA × Fail

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, 235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

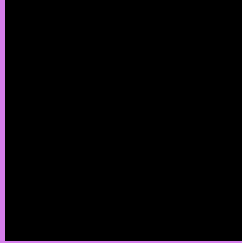
Any Text WCAG AA ✓ Pass

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, 235 Background



This preview shows how black text looks on a background with the RYB color 213, 126, 235.

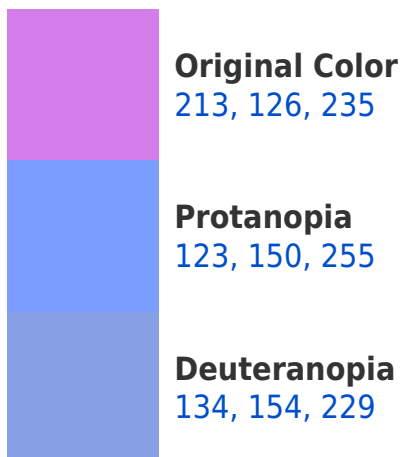


This preview shows how white text looks on a background with the RYB color 213, 126, 235.

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
202, 144, 155

Trichromacy



Original Color

213, 126, 235



Protanomaly

156, 146, 248



Deuteranomaly

163, 147, 231



Tritanomaly

206, 137, 184

Monochromacy



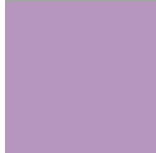
Original Color

213, 126, 235



Achromatopsia

164, 164, 164



Achromatomaly

182, 150, 190

CSS Examples

Text

The CSS property to change the color of the text to RYB 213, 126, 235 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, 235) looks like.

```
.text, #text, p{  
    color:rgb(213, 126, 235)  
}
```

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, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 126, 235) }
```

Border

The CSS property to change the border of an element to RYB 213, 126, 235 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, 235) }
```

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

```
.border{ border-color:rgb(213, 126, 235) }
```

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, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 126, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 126, 235);  
box-shadow:4px 4px 4px 4px rgb(213, 126,  
235) }
```

Background

The CSS property to change the background color of an element to RYB 213, 126, 235 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, 235) }
```

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

```
.background{ background-color: rgb(213,  
126, 235) }
```

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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