

Converting Colors

`RYB(212, 127, 234)`

Have a look what the booklet for RYB(212, 127, 234) contains.

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Color

`RYB(212, 127, 234)`

Conversions

Conversions Part 1

Format	Color
Hex	D47FEA
RGB	212, 127, 234
RGB Percent	83%, 50%, 92%
CMY	0.1686, 0.5020, 0.0824
CMYK	0.09, 0.46, 0.00, 0.08
HSL	288°, 72%, 71%
HSV	288°, 46%, 92%
XYZ	49.5920, 35.1163, 82.0062
YIQ	164.6130, 16.3130, 51.2970

Conversions

Conversions Part 2

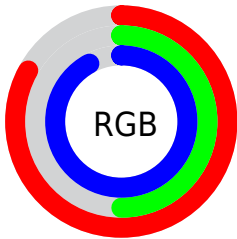
Format	Color
R _Y B	212, 127, 234
Decimal	13926378
CIE Lab	65.84, 49.77, -40.86
CIE LCh	66, 64.398, 320.612
Yxy	35.1163, 0.2975, 0.2106
Android (android.graphics.Color)	4292116458 (0xFFD47FEA)
YUV	164.6130, 34.2078, 41.5584
Hunter-Lab	59.2590, 45.6779, -40.5678

Details

The RYB color **212, 127, 234** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **127, 234, 212**, and the grayscale version is **164, 164, 164**.

A 20% lighter version of the original color is **255, 182, 255**, and **155, 74, 178** is the 20% darker color. If you saturate the color by 10%, you get **207, 104, 234**, and if you desaturate by 10%, it is **217, 150, 234**.

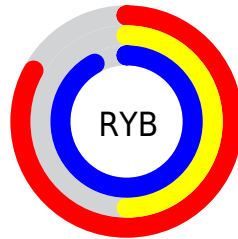
Distribution



Red (83%)

Green (50%)

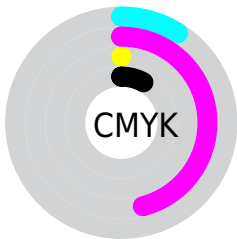
Blue (92%)



Red (83%)

Yellow (50%)

Blue (92%)

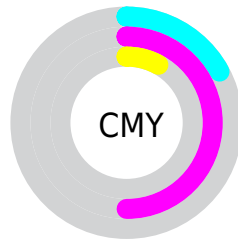


Cyan (9%)

Magenta (46%)

Yellow (0%)

Black (8%)



Cyan (17%)


Magenta (50%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 212, 127, 234 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 212, 127, 234 by changing the saturation by 10% instead.


 212, 127, 234

255, 255, 255

 255, 182, 255

 255, 210, 255


 255, 239, 255

 212, 127, 234

 183, 100, 206

 155, 74, 178

 128, 48, 151

 101, 19, 124

 75, 0, 99

 49, 0, 75


 25, 0, 51


 0, 2, 29

 0, 0, 0

 212, 127, 234


 212, 127, 234

 207, 104, 234


 217, 150, 234

 202, 80, 234


 222, 174, 234

 198, 57, 234

 226, 197, 234

 193, 33, 234

 231, 221, 234

 188, 10, 234

 234, 244, 242

 186, 0, 234

 234, 255, 248

 234, 255, 243

 234, 255, 239

 234, 255, 234

Harmonies

Analogous

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



126, 148, 255



212, 127, 234



255, 107, 181

Triad

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



212, 127, 234



113, 205, 34



0, 96, 199

Complementary

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



212, 127, 234



127, 234, 212

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, 106, 186



212, 127, 234



38, 169, 56

Square

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



212, 127, 234



245, 154, 71



79, 178, 181



0, 105, 248

Rectangle

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



212, 127, 234



255, 105, 142



79, 178, 181



0, 96, 188

Sweetspot

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



212, 127, 234



248, 219, 255



127, 146, 234



123, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



212, 127, 234



226, 115, 255



234, 127, 204



115, 106, 117



144, 0, 181



43, 0, 54

Inverse Universe

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



234, 127, 149



255, 115, 144



127, 211, 234



117, 106, 108



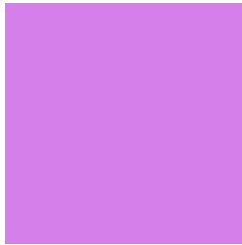
181, 0, 37



54, 0, 11

Previews

White Background



This preview shows how the RYB color 212, 127, 234 looks on a white background.

Color Contrast Check

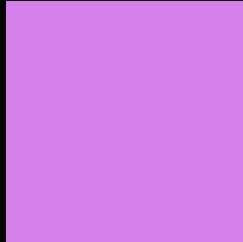
Large Text (above 18pt) WCAG AA × Fail

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 212, 127, 234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

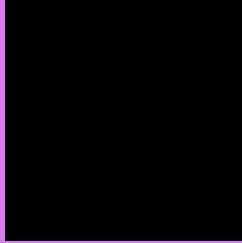
Any Text WCAG AA ✓ Pass

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](#).

R Y B 212, 127, 234 Background



This preview shows how black text looks on a background with the R Y B color 212, 127, 234.

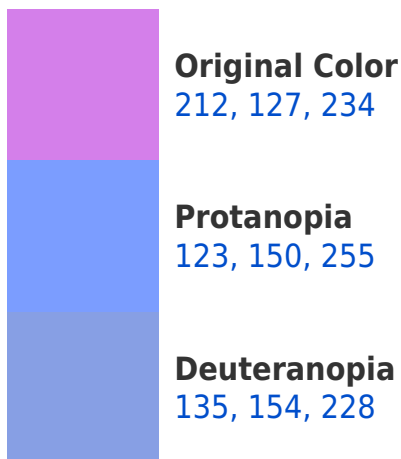


This preview shows how white text looks on a background with the R Y B color 212, 127, 234.

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

201, 145, 156

Trichromacy



Original Color

212, 127, 234



Protanomaly

155, 146, 247



Deuteranomaly

163, 147, 230



Tritanomaly

205, 138, 184

Monochromacy



Original Color

212, 127, 234



Achromatopsia

165, 165, 165



Achromatomaly

182, 151, 190

CSS Examples

Text

The CSS property to change the color of the text to RYB 212, 127, 234 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, 127, 234) looks like.

```
.text, #text, p{  
    color:rgb(212, 127, 234)  
}
```

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, 127, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 127, 234) }
```

Border

The CSS property to change the border of an element to RYB 212, 127, 234 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, 127, 234) }
```

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

```
.border{ border-color:rgb(212, 127, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 127, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(212, 127, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(212, 127, 234); box-shadow:4px 4px 4px 4px rgb(212, 127, 234) }
```

Background

The CSS property to change the background color of an element to RYB 212, 127, 234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 127, 234) }
```

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

```
.background{ background-color: rgb(212,  
127, 234) }
```

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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