

Converting Colors

`RYB(221, 156, 212)`

Have a look what the booklet for
RYB(221, 156, 212) contains.

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Color

$\text{RYB}(221, 156, 212)$

Conversions

Conversions Part 1

Format	Color
Hex	DD9CD4
RGB	221, 156, 212
RGB Percent	87%, 61%, 83%
CMY	0.1333, 0.3882, 0.1686
CMYK	0.00, 0.29, 0.04, 0.13
HSL	308°, 49%, 74%
HSV	308°, 29%, 87%
XYZ	53.5909, 43.9026, 67.9368
YIQ	181.8190, 20.7640, 31.1960

Conversions

Conversions Part 2

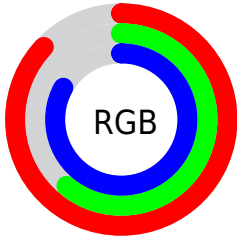
Format	Color
R_{YB}	221, 156, 212
Decimal	14523604
CIE _{Lab}	72.16, 33.05, -18.90
CIE _{LCh}	72, 38.073, 330.245
Yxy	43.9026, 0.3239, 0.2654
Android (android.graphics.Color)	4292713684 (0xFFDD9CD4)
YUV	181.8190, 14.8792, 34.3617
Hunter-Lab	66.2590, 28.4193, -14.4101

Details

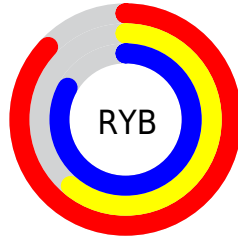
The RYB color **221, 156, 212** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **156, 213, 221**, and the grayscale version is **182, 182, 182**.

A 20% lighter version of the original color is **255, 211, 255**, and **165, 104, 157** is the 20% darker color. If you saturate the color by 10%, you get **221, 134, 209**, and if you desaturate by 10%, it is **221, 178, 215**.

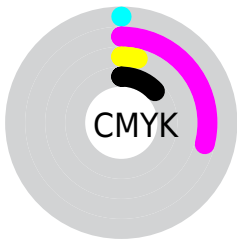
Distribution



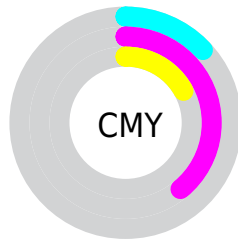
- Red (87%)
- Green (61%)
- Blue (83%)



- Red (87%)
- Yellow (61%)
- Blue (83%)



- Cyan (0%)
- Magenta (29%)
- Yellow (4%)
- Black (13%)





- Cyan (13%)
- Magenta (39%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the RYB color 221, 156, 212 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 221, 156, 212 by changing the saturation by 10% instead.

 221, 156, 212

 221, 156, 212

255, 255, 255

 193, 129, 184

 255, 211, 255

 165, 104, 157

 255, 240, 255

 138, 79, 131

 112, 55, 106


 86, 31, 82


 62, 5, 58


 41, 0, 37


 0, 1, 13


 0, 0, 0

 221, 156, 212


 221, 156, 212

 221, 134, 209


 221, 178, 215

 221, 112, 206


 221, 200, 218

 221, 90, 203


 221, 222, 222

 221, 68, 200


 221, 241, 244

 221, 46, 197


 221, 250, 255

 221, 23, 194

 221, 248, 255

 221, 1, 191

 221, 246, 255

 221, 0, 190

 221, 245, 255

 221, 243, 255

Harmonies

Analogous

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



181, 168, 237



221, 156, 212



242, 150, 178

Triad

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



221, 156, 212



141, 200, 107



33, 118, 211

Complementary

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



221, 156, 212



156, 213, 221

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.



75, 141, 196



221, 156, 212



116, 185, 138

Square

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



221, 156, 212



228, 196, 117



122, 177, 192



67, 138, 236

Rectangle

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



221, 156, 212



245, 151, 155



122, 177, 192



44, 121, 200

Sweetspot

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



221, 156, 212



255, 232, 252



165, 156, 221



128, 113, 126



0, 0, 0



128, 128, 128

Same Dimension

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



221, 156, 212



255, 166, 243



221, 156, 180



110, 99, 108



173, 0, 149



46, 0, 40

Inverse Universe

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



221, 156, 212



255, 166, 243



156, 196, 221



110, 99, 108



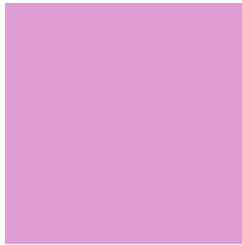
173, 0, 149



46, 0, 40

Previews

White Background



This preview shows how the RYB color 221, 156, 212 looks on a white background.

Color Contrast Check

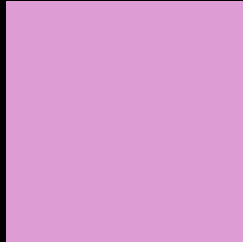
Large Text (above 18pt) WCAG AA × Fail

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 221, 156, 212 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 221, 156, 212 Background



This preview shows how black text looks on a background with the RYB color 221, 156, 212.

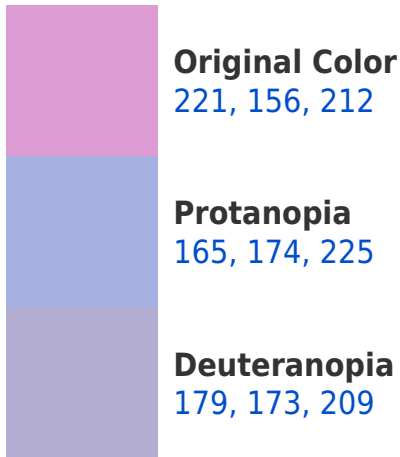



This preview shows how white text looks on a background with the RYB color 221, 156, 212.

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
216, 163, 175

Trichromacy



Original Color

221, 156, 212



Protanomaly

185, 168, 220



Deuteranomaly

194, 167, 210



Tritanomaly

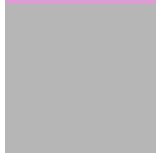
218, 160, 188

Monochromacy



Original Color

221, 156, 212



Achromatopsia

182, 182, 182



Achromatomaly

196, 173, 193

CSS Examples

Text

The CSS property to change the color of the text to RYB 221, 156, 212 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(221, 156, 212)` looks like.

```
.text, #text, p{  
    color:rgb(221, 156, 212)  
}
```

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(221, 156, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 156, 212) }
```

Border

The CSS property to change the border of an element to RYB 221, 156, 212 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(221, 156, 212) }
```

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

```
.border{ border-color:rgb(221, 156, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 156, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 156, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 156, 212);  
box-shadow:4px 4px 4px 4px rgb(221, 156,  
212) }
```

Background

The CSS property to change the background color of an element to RYB 221, 156, 212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 156, 212) }
```

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

```
.background{ background-color: rgb(221,  
156, 212) }
```

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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