

Converting Colors

`RYB(221, 108, 196)`

Have a look what the booklet for
RYB(221, 108, 196) contains.

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Color

RYB(221, 108, 196)

Conversions

Conversions Part 1

Format	Color
Hex	DD6CC4
RGB	221, 108, 196
RGB Percent	87%, 42%, 77%
CMY	0.1333, 0.5765, 0.2314
CMYK	0.00, 0.51, 0.11, 0.13
HSL	313°, 62%, 65%
HSV	313°, 51%, 87%
XYZ	45.1452, 30.0828, 55.6517
YIQ	151.8190, 39.1000, 51.3240

Conversions

Conversions Part 2

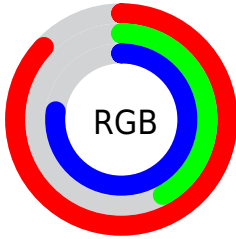
Format	Color
R _{YB}	221, 108, 196
Decimal	14511300
CIE Lab	61.73, 55.09, -25.90
CIE LCh	62, 60.876, 334.822
Yxy	30.0828, 0.3449, 0.2299
Android (android.graphics.Color)	4292701380 (0xFFDD6CC4)
YUV	151.8190, 21.7812, 60.6717
Hunter-Lab	54.8478, 50.9395, -21.7656

Details

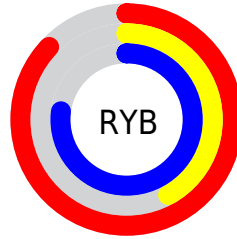
The RYB color **221, 108, 196** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **108, 201, 221**, and the grayscale version is **152, 152, 152**.

A 20% lighter version of the original color is **255, 163, 253**, and **163, 53, 142** is the 20% darker color. If you saturate the color by 10%, you get **221, 86, 191**, and if you desaturate by 10%, it is **221, 130, 201**.

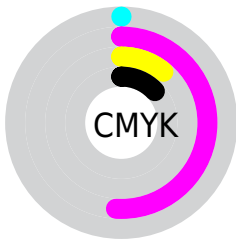
Distribution



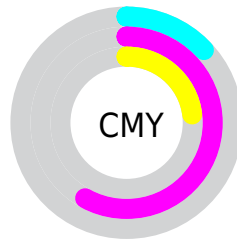
- Red (87%)
- Green (42%)
- Blue (77%)



- Red (87%)
- Yellow (42%)
- Blue (77%)



- Cyan (0%)
- Magenta (51%)
- Yellow (11%)
- Black (13%)



- Cyan (13%)
- Magenta (58%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the RYB color 221, 108, 196 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, 108, 196 by changing the saturation by 10% instead.

 221, 108, 196

255, 255, 255

 255, 163, 253


 255, 191, 255

 255, 220, 255

 255, 250, 255

 221, 108, 196

 192, 81, 169

 163, 53, 142

 135, 20, 116

 108, 0, 91

 81, 0, 68

 57, 0, 45

 28, 0, 24

 0, 0, 0

 221, 108, 196

 221, 108, 196

221, 86, 191

221, 130, 201

221, 64, 186

221, 152, 206

221, 42, 181

221, 174, 211

221, 20, 176

221, 196, 216

221, 0, 172

221, 219, 220

221, 238, 241

221, 248, 255

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.



162, 131, 238



221, 108, 196



246, 97, 143

Triad

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



221, 108, 196



49, 169, 26



0, 95, 209

Complementary

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



221, 108, 196



108, 201, 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.



0, 93, 175



221, 108, 196



53, 163, 103

Square

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



221, 108, 196



213, 207, 48



0, 108, 171



0, 99, 246

Rectangle

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



221, 108, 196



245, 102, 107



0, 108, 171



0, 92, 193

Sweetspot

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



221, 108, 196



255, 217, 247



132, 108, 221



128, 105, 122



0, 0, 0



128, 128, 128

Same Dimension

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



221, 108, 196



255, 99, 221



221, 108, 140



110, 99, 107



173, 0, 135



46, 0, 36

Inverse Universe

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



221, 108, 196



255, 99, 221



108, 174, 221



110, 99, 107



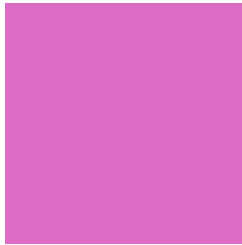
173, 0, 135



46, 0, 36

Previews

White Background



This preview shows how the RYB color 221, 108, 196 looks on a white background.

Color Contrast Check

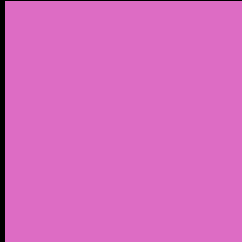
Large Text (above 18pt) WCAG AA × Fail

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, 108, 196 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, 108, 196 Background



This preview shows how black text looks on a background with the RYB color 221, 108, 196.

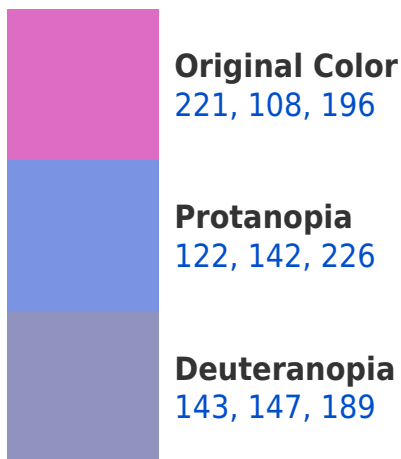



This preview shows how white text looks on a background with the RYB color 221, 108, 196.

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
214, 123, 132

Trichromacy



Original Color

221, 108, 196



Protanomaly

158, 133, 215



Deuteranomaly

171, 133, 192



Tritanomaly

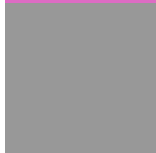
217, 118, 155

Monochromacy



Original Color

221, 108, 196



Achromatopsia

152, 152, 152



Achromatomaly

177, 136, 168

CSS Examples

Text

The CSS property to change the color of the text to RYB 221, 108, 196 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, 108, 196)` looks like.

```
.text, #text, p{  
    color:rgb(221, 108, 196)  
}
```

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, 108, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 108, 196) }
```

Border

The CSS property to change the border of an element to RYB 221, 108, 196 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, 108, 196) }
```

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

```
.border{ border-color:rgb(221, 108, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 108, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 108, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 108, 196);  
box-shadow:4px 4px 4px 4px rgb(221, 108,  
196) }
```

Background

The CSS property to change the background color of an element to RYB 221, 108, 196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 108, 196) }
```

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

```
.background{ background-color: rgb(221,  
108, 196) }
```

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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