

Converting Colors

`RYB(222, 102, 214)`

Have a look what the booklet for
RYB(222, 102, 214) contains.

RYB(222, 102, 214)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RYB(222, 102, 214)

Conversions

Conversions Part 1

Format	Color
Hex	DE66D6
RGB	222, 102, 214
RGB Percent	87%, 40%, 84%
CMY	0.1294, 0.6000, 0.1608
CMYK	0.00, 0.54, 0.04, 0.13
HSL	304°, 65%, 64%
HSV	304°, 54%, 87%
XYZ	47.0132, 29.8874, 66.9093
YIQ	150.6480, 35.5680, 60.2720

Conversions

Conversions Part 2

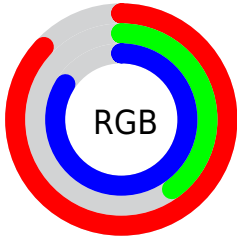
Format	Color
R _Y B	222, 102, 214
Decimal	14575318
CIE Lab	61.56, 61.13, -36.32
CIE LCh	62, 71.102, 329.285
Yxy	29.8874, 0.3269, 0.2078
Android (android.graphics.Color)	4292765398 (0xFFDE66D6)
YUV	150.6480, 31.2325, 62.5757
Hunter-Lab	54.6693, 57.8306, -34.2959

Details

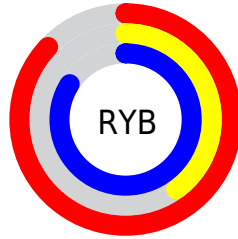
The RYB color **222, 102, 214** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **102, 215, 222**, and the grayscale version is **150, 150, 150**.

A 20% lighter version of the original color is **255, 158, 255**, and **164, 44, 159** is the 20% darker color. If you saturate the color by 10%, you get **222, 80, 213**, and if you desaturate by 10%, it is **222, 124, 215**.

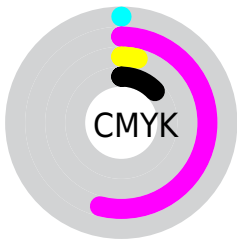
Distribution



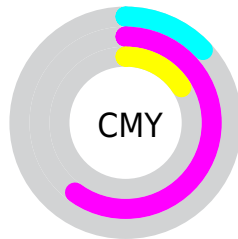
- Red (87%)
- Green (40%)
- Blue (84%)



- Red (87%)
- Yellow (40%)
- Blue (84%)



- Cyan (0%)
- Magenta (54%)
- Yellow (4%)
- Black (13%)




- Cyan (13%)
- Magenta (60%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 222, 102, 214 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 222, 102, 214 by changing the saturation by 10% instead.

 222, 102, 214

255, 255, 255


 255, 158, 255

 255, 186, 255

 255, 215, 255

 255, 245, 255


 222, 102, 214

 193, 74, 186

 164, 44, 159

 136, 0, 132

 108, 0, 107

 81, 0, 82

 57, 0, 59

 28, 0, 36

 0, 0, 11

 0, 0, 0

■ 222, 102, 214

■ 222, 102, 214

■ 222, 80, 213

■ 222, 124, 215

■ 222, 58, 211

■ 222, 146, 217

■ 222, 35, 210

■ 222, 169, 218

■ 222, 13, 208

■ 222, 191, 220

■ 222, 0, 207

■ 222, 213, 221

■ 222, 234, 235

■ 222, 253, 255

■ 222, 251, 255

■ 222, 251, 255

Harmonies

Analogous

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



142, 132, 255



222, 102, 214



255, 82, 153

Triad

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



222, 102, 214



42, 179, 0



0, 96, 209

Complementary

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



222, 102, 214



102, 215, 222

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, 97, 177



222, 102, 214



11, 163, 57

Square

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



222, 102, 214



227, 189, 34



0, 118, 173



0, 102, 255

Rectangle

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



222, 102, 214



255, 85, 111



0, 118, 173



0, 91, 189

Sweetspot

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



222, 102, 214



255, 214, 252



110, 102, 222



128, 103, 126



0, 0, 0



128, 128, 128

Same Dimension

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



222, 102, 214



255, 89, 244



222, 102, 154



112, 101, 111



176, 0, 164



48, 0, 45

Inverse Universe

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



222, 102, 214



255, 89, 244



102, 179, 222



112, 101, 111



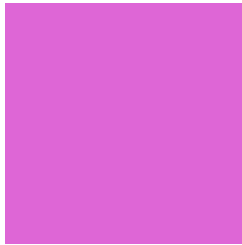
176, 0, 164



48, 0, 45

Previews

White Background



This preview shows how the RYB color 222, 102, 214 looks on a white background.

Color Contrast Check

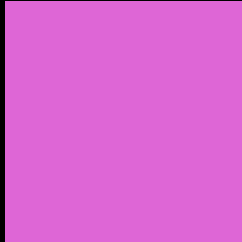
Large Text (above 18pt) WCAG AA ✓ Pass

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 222, 102, 214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

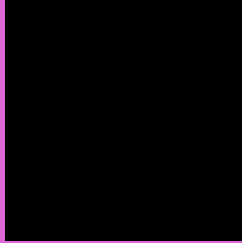
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

RGB 222, 102, 214 Background



This preview shows how black text looks on a background with the RGB color 222, 102, 214.

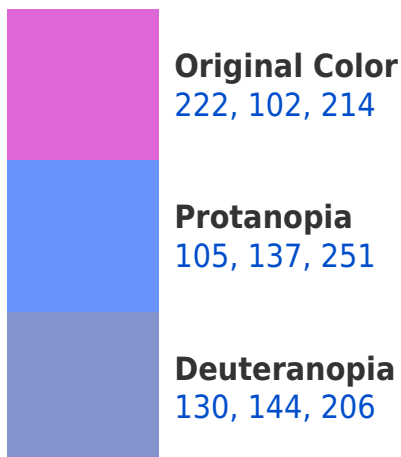


This preview shows how white text looks on a background with the RGB color 222, 102, 214.

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
212, 123, 132

Trichromacy



Original Color

222, 102, 214



Protanomaly

148, 130, 238



Deuteranomaly

163, 131, 209



Tritanomaly

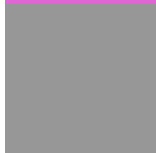
216, 115, 162

Monochromacy



Original Color

222, 102, 214



Achromatopsia

151, 151, 151



Achromatomaly

177, 133, 174

CSS Examples

Text

The CSS property to change the color of the text to RYB 222, 102, 214 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(222, 102, 214)` looks like.

```
.text, #text, p{  
    color:rgb(222, 102, 214)  
}
```

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(222, 102, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 102, 214) }
```

Border

The CSS property to change the border of an element to RYB 222, 102, 214 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(222, 102, 214) }
```

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

```
.border{ border-color:rgb(222, 102, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 102, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 102, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 102, 214);  
box-shadow:4px 4px 4px 4px rgb(222, 102,  
214) }
```

Background

The CSS property to change the background color of an element to RYB 222, 102, 214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 102, 214) }
```

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

```
.background{ background-color: rgb(222,  
102, 214) }
```

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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