

Converting Colors

`RYB(218, 112, 214)`

Have a look what the booklet for RYB(218, 112, 214) contains.

RYB(218, 112, 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

R_YB(218, 112, 214)

Conversions

Conversions Part 1

Format	Color
Hex	DA70D6
RGB	218, 112, 214
RGB Percent	85%, 44%, 84%
CMY	0.1451, 0.5608, 0.1608
CMYK	0.00, 0.49, 0.02, 0.15
HSL	302°, 59%, 65%
HSV	302°, 49%, 85%
XYZ	46.8452, 31.3488, 67.2002
YIQ	155.3220, 30.4340, 54.1940

Conversions

Conversions Part 2

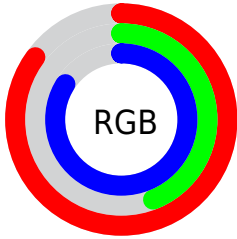
Format	Color
R _Y B	218, 112, 214
Decimal	14315734
CIE Lab	62.80, 55.29, -34.42
CIE LCh	63, 65.130, 328.100
Yxy	31.3488, 0.3222, 0.2156
Android (android.graphics.Color)	4292505814 (0xFFDA70D6)
YUV	155.3220, 28.9283, 54.9686
Hunter-Lab	55.9900, 51.3633, -31.9680

Details

The RYB color **218, 112, 214** is a light color, and the websafe version is hex **CC66CC**, and the color name is **orchid**. A complement of this color would be **112, 214, 218**, and the grayscale version is **155, 155, 155**.

A 20% lighter version of the original color is **255, 167, 255**, and **161, 58, 159** is the 20% darker color. If you saturate the color by 10%, you get **218, 90, 213**, and if you desaturate by 10%, it is **218, 134, 215**.

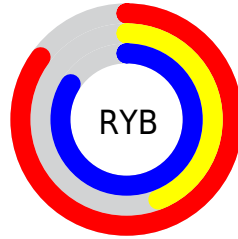
Distribution



Red (85%)

Green (44%)

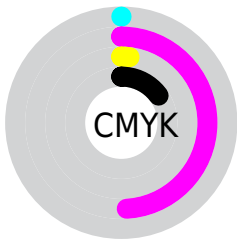
Blue (84%)



Red (85%)

Yellow (44%)

Blue (84%)

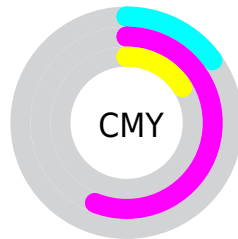


Cyan (0%)

Magenta (49%)

Yellow (2%)

Black (15%)



Cyan (15%)

Magenta (56%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 218, 112, 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 218, 112, 214 by changing the saturation by 10% instead.

 218, 112, 214

255, 255, 255

 255, 167, 255


 255, 195, 255


 255, 224, 255

255, 254, 255

 218, 112, 214

 189, 85, 186

 161, 58, 159

 133, 27, 132

 106, 0, 107

 79, 0, 82

 54, 0, 59


 27, 0, 36


 0, 0, 12


 0, 0, 0

 218, 112, 214

 218, 112, 214

 218, 90, 213

 218, 134, 215


 218, 68, 212


 218, 156, 216

 218, 47, 212


 218, 177, 216

 218, 25, 211

 218, 199, 217

 218, 3, 210

 218, 221, 221

 218, 0, 210

 218, 242, 243

 218, 253, 255

 218, 252, 255

Harmonies

Analogous

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



144, 138, 255



218, 112, 214



252, 95, 158

Triad

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



218, 112, 214



59, 184, 13



0, 96, 205

Complementary

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



218, 112, 214



112, 214, 218

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, 99, 179



218, 112, 214



36, 164, 73

Square

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



218, 112, 214



228, 178, 51



31, 134, 174



0, 102, 250

Rectangle

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



218, 112, 214



255, 97, 119



31, 134, 174



0, 91, 186

Sweetspot

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



218, 112, 214



255, 217, 254



116, 112, 218



128, 105, 127



0, 0, 0



128, 128, 128

Same Dimension

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



218, 112, 214



255, 107, 249



218, 112, 161



110, 99, 109



173, 0, 167



46, 0, 44

Inverse Universe

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



218, 112, 214



255, 107, 249



112, 181, 218



110, 99, 109



173, 0, 167



46, 0, 44

Previews

White Background



This preview shows how the RYB color 218, 112, 214 looks on a white background.

Color Contrast Check

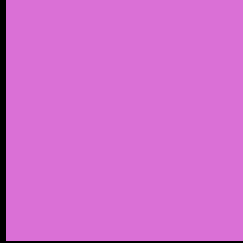
Large Text (above 18pt) WCAG AA × Fail

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 218, 112, 214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

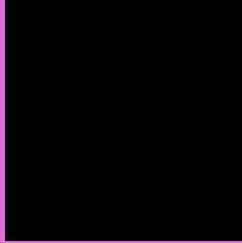
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

RVB 218, 112, 214 Background



This preview shows how black text looks on a background with the RYB color 218, 112, 214.

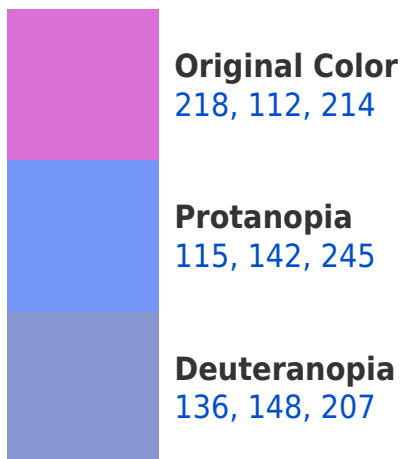



This preview shows how white text looks on a background with the RYB color 218, 112, 214.

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
209, 130, 139

Trichromacy



Original Color

218, 112, 214



Protanomaly

152, 136, 234



Deuteranomaly

166, 136, 210



Tritanomaly

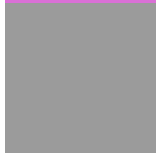
212, 123, 166

Monochromacy



Original Color

218, 112, 214



Achromatopsia

155, 155, 155



Achromatomaly

178, 139, 176

CSS Examples

Text

The CSS property to change the color of the text to RYB 218, 112, 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(218, 112, 214) looks like.

```
.text, #text, p{  
    color:rgb(218, 112, 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(218, 112, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 112, 214) }
```

Border

The CSS property to change the border of an element to RYB 218, 112, 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(218, 112, 214) }
```

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

```
.border{ border-color:rgb(218, 112, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 112, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 112, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 112, 214);  
box-shadow:4px 4px 4px 4px rgb(218, 112,  
214) }
```

Background

The CSS property to change the background color of an element to RGB 218, 112, 214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 112, 214) }
```

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

```
.background{ background-color: rgb(218,  
112, 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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