

Converting Colors

`RYB(216, 114, 172)`

Have a look what the booklet for
RYB(216, 114, 172) contains.

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Color

R_YB(216, 114, 172)

Conversions

Conversions Part 1

Format	Color
Hex	D872AC
RGB	216, 114, 172
RGB Percent	85%, 45%, 67%
CMY	0.1529, 0.5529, 0.3255
CMYK	0.00, 0.47, 0.20, 0.15
HSL	326°, 57%, 65%
HSV	326°, 47%, 85%
XYZ	41.7826, 29.6121, 42.5432
YIQ	151.1100, 42.1740, 39.6620

Conversions

Conversions Part 2

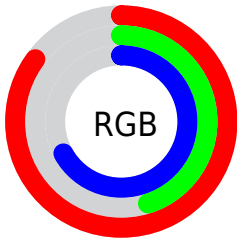
Format	Color
R _Y B	216, 114, 172
Decimal	14185132
CIE Lab	61.32, 46.91, -12.91
CIE LCh	61, 48.655, 344.618
Yxy	29.6121, 0.3667, 0.2599
Android (android.graphics.Color)	4292375212 (0xFFD872AC)
YUV	151.1100, 10.2988, 56.9085
Hunter-Lab	54.4170, 41.8265, -8.2610

Details

The RYB color **216, 114, 172** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **114, 185, 216**, and the grayscale version is **151, 151, 151**.

A 20% lighter version of the original color is **255, 168, 227**, and **159, 61, 120** is the 20% darker color. If you saturate the color by 10%, you get **216, 92, 163**, and if you desaturate by 10%, it is **216, 136, 181**.

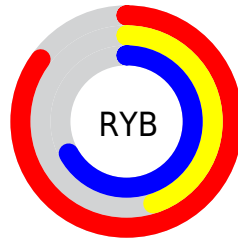
Distribution



Red (85%)

Green (45%)

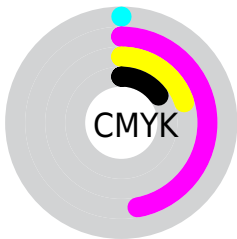
Blue (67%)



Red (85%)

Yellow (45%)

Blue (67%)

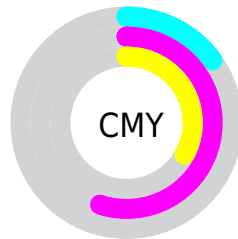


Cyan (0%)

Magenta (47%)

Yellow (20%)

Black (15%)



Cyan (15%)

Magenta (55%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 216, 114, 172 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 216, 114, 172 by changing the saturation by 10% instead.

 216, 114, 172

255, 255, 255

 255, 168, 227

 255, 196, 255

 255, 225, 255

255, 254, 255

 216, 114, 172

 187, 88, 145

 159, 61, 120

 131, 34, 95

 104, 0, 71

 78, 0, 49

 54, 0, 28

 21, 0, 0

 0, 0, 0

 216, 114, 172

 216, 114, 172

216, 92, 163

216, 136, 181

216, 71, 153

216, 157, 191

216, 49, 144

216, 179, 200

216, 28, 135

216, 200, 209

216, 6, 125

216, 220, 222

216, 0, 123

216, 236, 244

216, 241, 255

216, 238, 255

216, 236, 255

Harmonies

Analogous

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



178, 128, 210



216, 114, 172



229, 111, 129

Triad

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



216, 114, 172



60, 152, 60



0, 92, 207

Complementary

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



216, 114, 172



114, 185, 216

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, 86, 170



216, 114, 172



84, 162, 142

Square

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



216, 114, 172



153, 191, 63



15, 104, 168



0, 94, 231

Rectangle

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



216, 114, 172



224, 119, 101



15, 104, 168



0, 90, 196

Sweetspot

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



216, 114, 172



255, 219, 240



157, 114, 216



128, 106, 118



0, 0, 0



128, 128, 128

Same Dimension

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



216, 114, 172



255, 110, 192



216, 114, 122



107, 96, 102



171, 0, 97



43, 0, 25

Inverse Universe

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



216, 114, 172



255, 110, 192



114, 167, 216



107, 96, 102



171, 0, 97



43, 0, 25

Previews

White Background



This preview shows how the RYB color 216, 114, 172 looks on a white background.

Color Contrast Check

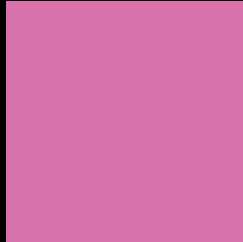
Large Text (above 18pt) WCAG AA ✓ Pass

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 216, 114, 172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

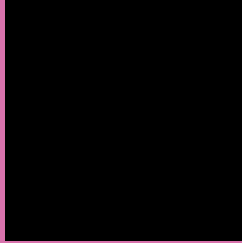
Any Text WCAG AA ✓ Pass

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](#).

RYB 216, 114, 172 Background



This preview shows how black text looks on a background with the RYB color 216, 114, 172.

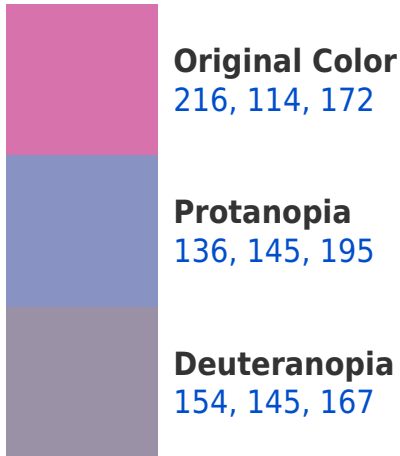


This preview shows how white text looks on a background with the RYB color 216, 114, 172.

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, 122, 131

Trichromacy



Original Color

216, 114, 172



Protanomaly

165, 135, 187



Deuteranomaly

177, 134, 169



Tritanomaly

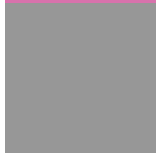
213, 119, 146

Monochromacy



Original Color

216, 114, 172



Achromatopsia

151, 151, 151



Achromatomaly

175, 138, 159

CSS Examples

Text

The CSS property to change the color of the text to RYB 216, 114, 172 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(216, 114, 172) looks like.

```
.text, #text, p{  
    color:rgb(216, 114, 172)  
}
```

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(216, 114, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 114, 172) }
```

Border

The CSS property to change the border of an element to RYB 216, 114, 172 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(216, 114, 172) }
```

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

```
.border{ border-color:rgb(216, 114, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 114, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 114, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 114, 172);  
box-shadow:4px 4px 4px 4px rgb(216, 114,  
172) }
```

Background

The CSS property to change the background color of an element to RGB 216, 114, 172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 114, 172) }
```

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

```
.background{ background-color: rgb(216,  
114, 172) }
```

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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