

Converting Colors

`RYB(216, 150, 255)`

Have a look what the booklet for
RYB(216, 150, 255) contains.

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Color

`RYB(216, 150, 255)`

Conversions

Conversions Part 1

Format	Color
Hex	D896FF
RGB	216, 150, 255
RGB Percent	85%, 59%, 100%
CMY	0.1529, 0.4118, 0.0000
CMYK	0.15, 0.41, 0.00, 0.00
HSL	278°, 100%, 79%
HSV	278°, 41%, 100%
XYZ	57.2752, 43.6316, 100.0108
YIQ	181.7040, 5.6310, 46.6470

Conversions

Conversions Part 2

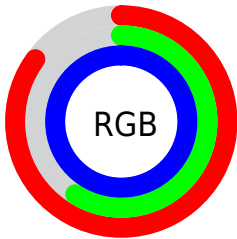
Format	Color
RYB	216, 150, 255
Decimal	14194431
CIELab	71.98, 43.09, -42.72
CIELCh	72, 60.680, 315.249
Yxy	43.6316, 0.2851, 0.2172
Android (android.graphics.Color)	4292384511 (0xFFD896FF)
YUV	181.7040, 36.1349, 30.0776
Hunter-Lab	66.0542, 39.1814, -43.5313

Details

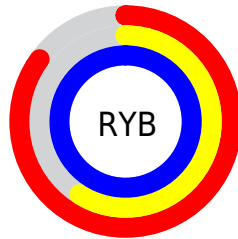
The RYB color **216, 150, 255** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **150, 255, 216**, and the grayscale version is **181, 181, 181**.

A 20% lighter version of the original color is **255, 205, 255**, and **159, 98, 198** is the 20% darker color. If you saturate the color by 10%, you get **207, 125, 255**, and if you desaturate by 10%, it is **225, 176, 255**.

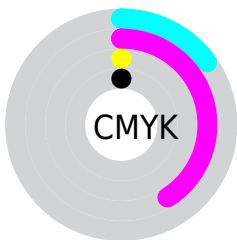
Distribution



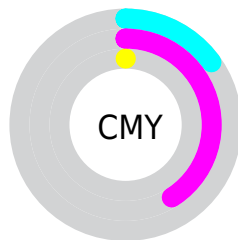
- Red (85%)
- Green (59%)
- Blue (100%)



- Red (85%)
- Yellow (59%)
- Blue (100%)



- Cyan (15%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the RYB color 216, 150, 255 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, 150, 255 by changing the saturation by 10% instead.

 216, 150, 255

 216, 150, 255

255, 255, 255

 187, 123, 226

 255, 205, 255

 159, 98, 198

 255, 234, 255

 132, 72, 170

 105, 47, 143

 79, 22, 117

 53, 0, 92


 30, 0, 68

 0, 0, 45

 0, 1, 23

 216, 150, 255

 216, 150, 255

 207, 125, 255

 225, 176, 255

 197, 99, 255


 235, 201, 255

 188, 74, 255

 244, 227, 255

 178, 48, 255

 254, 252, 255

 169, 23, 255

255, 255, 255

 160, 0, 255

Harmonies

Analogous

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



129, 162, 255



216, 150, 255



255, 131, 206

Triad

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



216, 150, 255



175, 230, 65



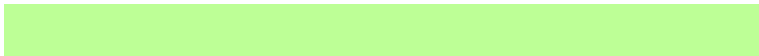
0, 102, 204

Complementary

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



216, 150, 255



150, 255, 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, 117, 202



216, 150, 255



62, 182, 64

Square

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



216, 150, 255



255, 158, 100



95, 195, 173



0, 112, 254

Rectangle

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



216, 150, 255



255, 126, 169



95, 195, 173



0, 107, 204

Sweetspot

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



216, 150, 255



244, 224, 255



150, 179, 255



121, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



216, 150, 255



209, 130, 255



255, 150, 243



123, 115, 128



120, 0, 191



40, 0, 64

Inverse Universe

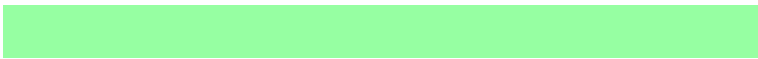
The Inverse Universe completely reimagines the original color for something new.



255, 150, 189



255, 130, 176



150, 244, 255



128, 115, 119



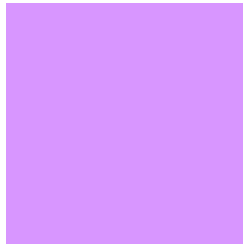
191, 0, 71



64, 0, 24

Previews

White Background



This preview shows how the RYB color 216, 150, 255 looks on a white background.

Color Contrast Check

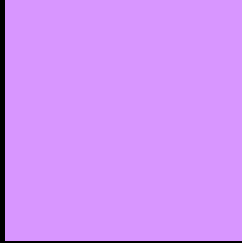
Large Text (above 18pt) WCAG AA × Fail

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 216, 150, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

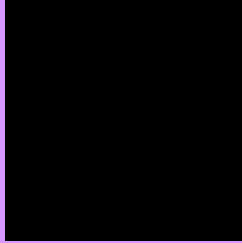
Any Text WCAG AA ✓ Pass

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 216, 150, 255 Background



This preview shows how black text looks on a background with the RYB color 216, 150, 255.




This preview shows how white text looks on a background with the RYB color 216, 150, 255.

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
204, 166, 179

Trichromacy



Original Color

216, 150, 255



Protanomaly

174, 165, 255



Deuteranomaly

174, 166, 252

Tritanomaly

208, 160, 207

Monochromacy



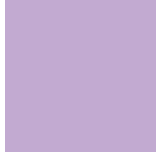
Original Color

216, 150, 255



Achromatopsia

182, 182, 182



Achromatomaly

194, 170, 209

CSS Examples

Text

The CSS property to change the color of the text to RYB 216, 150, 255 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, 150, 255) looks like.

```
.text, #text, p{  
    color:rgb(216, 150, 255)  
}
```

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, 150, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 150, 255) }
```

Border

The CSS property to change the border of an element to RYB 216, 150, 255 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, 150, 255) }
```

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

```
.border{ border-color:rgb(216, 150, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 150, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 150, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 150, 255);  
box-shadow:4px 4px 4px 4px rgb(216, 150,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 216, 150, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 150, 255) }
```

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

```
.background{ background-color: rgb(216,  
150, 255) }
```

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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