

Converting Colors

`RYB(214, 102, 255)`

Have a look what the booklet for RYB(214, 102, 255) contains.

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Color

R_YB(214, 102, 255)

Conversions

Conversions Part 1

Format	Color
Hex	D666FF
RGB	214, 102, 255
RGB Percent	84%, 40%, 100%
CMY	0.1608, 0.6000, 0.0000
CMYK	0.16, 0.60, 0.00, 0.00
HSL	284°, 100%, 70%
HSV	284°, 60%, 100%
XYZ	50.5329, 31.0189, 97.9316
YIQ	152.9300, 17.6390, 71.3270

Conversions

Conversions Part 2

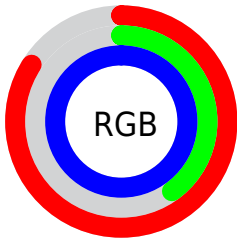
Format	Color
RYB	214, 102, 255
Decimal	14051071
CIELab	62.52, 66.59, -57.67
CIElCh	63, 88.094, 319.107
Yxy	31.0189, 0.2815, 0.1728
Android (android.graphics.Color)	4292241151 (0xFFD666FF)
YUV	152.9300, 50.3205, 53.5584
Hunter-Lab	55.6946, 64.4914, -65.2674

Details

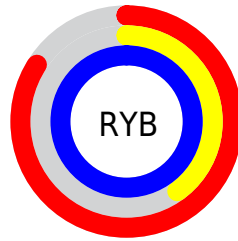
The RYB color **214, 102, 255** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **102, 255, 214**, and the grayscale version is **152, 152, 152**.

A 20% lighter version of the original color is **255, 158, 255**, and **156, 43, 197** is the 20% darker color. If you saturate the color by 10%, you get **207, 77, 255**, and if you desaturate by 10%, it is **221, 128, 255**.

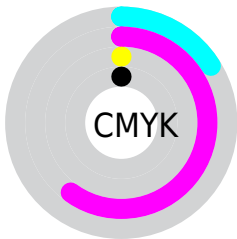
Distribution



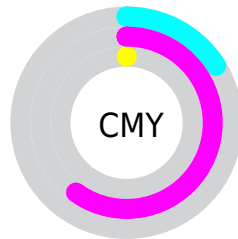
- Red (84%)
- Green (40%)
- Blue (100%)



- Red (84%)
- Yellow (40%)
- Blue (100%)



- Cyan (16%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the RYB color 214, 102, 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 214, 102, 255 by changing the saturation by 10% instead.

 214, 102, 255

 214, 102, 255

255, 255, 255

 185, 74, 226

 255, 158, 255

 156, 43, 197


 255, 187, 255

 127, 0, 170

 255, 216, 255

 99, 0, 143

 255, 245, 255

 71, 0, 116

 43, 0, 91

 5, 0, 66

 0, 3, 43

 0, 1, 21

■ 214, 102, 255

■ 214, 102, 255

■ 207, 77, 255

■ 221, 128, 255

■ 200, 51, 255

■ 228, 153, 255

■ 194, 25, 255

■ 235, 179, 255

■ 187, 0, 255

■ 241, 204, 255

■ 248, 230, 255

255, 255, 255

Harmonies

Analogous

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



53, 115, 255



214, 102, 255



255, 54, 183

Triad

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



214, 102, 255



102, 206, 0



0, 96, 201

Complementary

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



214, 102, 255



102, 255, 214

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, 111, 183



214, 102, 255



0, 163, 27

Square

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



214, 102, 255



255, 134, 25



0, 150, 176



0, 106, 255

Rectangle

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



214, 102, 255



255, 43, 131



0, 150, 176



0, 95, 185

Sweetspot

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



214, 102, 255



243, 209, 255



102, 136, 255



120, 99, 128



0, 0, 0



128, 128, 128

Same Dimension

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



214, 102, 255



206, 71, 255



255, 102, 222



124, 115, 128



140, 0, 191



47, 0, 64

Inverse Universe

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



255, 102, 143



255, 71, 121



102, 228, 255



128, 115, 118



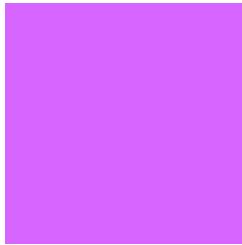
191, 0, 51



64, 0, 17

Previews

White Background



This preview shows how the RYB color 214, 102, 255 looks on a white background.

Color Contrast Check

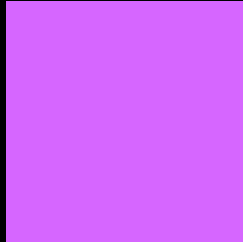
Large Text (above 18pt) WCAG AA × Fail

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 214, 102, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

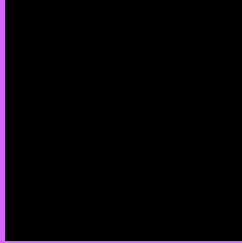
Any Text WCAG AA ✓ Pass

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 214, 102, 255 Background



This preview shows how black text looks on a background with the RYB color 214, 102, 255.



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



Original Color
214, 102, 255

Protanopia
105, 138, 255

Deuteranopia
94, 136, 246



Tritanopia
198, 133, 143

Trichromacy



Original Color

214, 102, 255



Protanomaly

145, 131, 255



Deuteranomaly

138, 134, 249



Tritanomaly

204, 122, 184

Monochromacy



Original Color

214, 102, 255



Achromatopsia

153, 153, 153



Achromatomaly

175, 134, 190

CSS Examples

Text

The CSS property to change the color of the text to RYB 214, 102, 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(214, 102, 255) looks like.

```
.text, #text, p{  
    color:rgb(214, 102, 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(214, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 102, 255) }
```

Border

The CSS property to change the border of an element to RYB 214, 102, 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(214, 102, 255) }
```

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

```
.border{ border-color:rgb(214, 102, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(214, 102,  
255) }
```

Background

The CSS property to change the background color of an element to RGB 214, 102, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 102, 255) }
```

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

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