

Converting Colors

`RYB(214, 133, 245)`

Have a look what the booklet for
RYB(214, 133, 245) contains.

RYB(214, 133, 245)	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(214, 133, 245)`

Conversions

Conversions Part 1

Format	Color
Hex	D685F5
RGB	214, 133, 245
RGB Percent	84%, 52%, 96%
CMY	0.1608, 0.4784, 0.0392
CMYK	0.13, 0.46, 0.00, 0.04
HSL	283°, 85%, 74%
HSV	283°, 46%, 96%
XYZ	52.6005, 37.6638, 90.8837
YIQ	169.9870, 12.3240, 52.0040

Conversions

Conversions Part 2

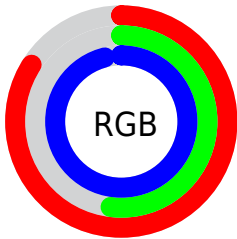
Format	Color
R _Y B	214, 133, 245
Decimal	14058997
CIE Lab	67.77, 49.42, -43.87
CIE LCh	68, 66.086, 318.402
Yxy	37.6638, 0.2904, 0.2079
Android (android.graphics.Color)	4292249077 (0xFFD685F5)
YUV	169.9870, 36.9814, 38.5994
Hunter-Lab	61.3708, 45.5922, -44.8426

Details

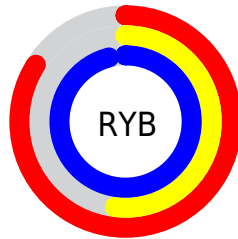
The RYB color **214, 133, 245** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **133, 245, 214**, and the grayscale version is **170, 170, 170**.

A 20% lighter version of the original color is **255, 188, 255**, and **157, 80, 188** is the 20% darker color. If you saturate the color by 10%, you get **207, 109, 245**, and if you desaturate by 10%, it is **221, 157, 245**.

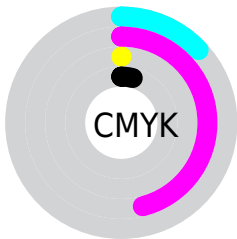
Distribution



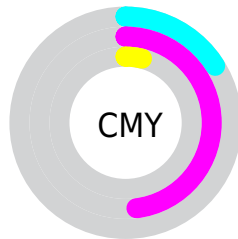
- Red (84%)
- Green (52%)
- Blue (96%)



- Red (84%)
- Yellow (52%)
- Blue (96%)



- Cyan (13%)
- Magenta (46%)
- Yellow (0%)
- Black (4%)



- Cyan (16%)
- Magenta (48%)
- Yellow (4%)


Brightness & Saturation Gradients

These gradients show how the RYB color 214, 133, 245 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, 133, 245 by changing the saturation by 10% instead.


 214, 133, 245

255, 255, 255

 255, 188, 255


 255, 216, 255


 255, 245, 255

 214, 133, 245

 185, 106, 216

 157, 80, 188

 130, 54, 161

 103, 27, 134

 76, 0, 108

 50, 0, 84

 27, 0, 60

 0, 2, 37

 0, 1, 13

■ 214, 133, 245

■ 214, 133, 245

■ 207, 109, 245

■ 221, 157, 245

■ 200, 84, 245

■ 228, 182, 245

■ 194, 59, 245

■ 234, 207, 245

■ 187, 35, 245

■ 241, 231, 245

■ 180, 10, 245

■ 245, 255, 252

■ 177, 0, 245

■ 245, 255, 245

Harmonies

Analogous

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



121, 151, 255



214, 133, 245



255, 111, 191

Triad

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



214, 133, 245



130, 215, 37



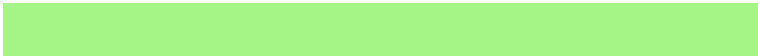
0, 98, 201

Complementary

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



214, 133, 245



133, 245, 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, 192



214, 133, 245



37, 173, 49

Square

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



214, 133, 245



255, 152, 77



81, 186, 179



0, 109, 253

Rectangle

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



214, 133, 245



255, 108, 151



81, 186, 179



0, 100, 194

Sweetspot

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



214, 133, 245



245, 219, 255



133, 158, 245



122, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



214, 133, 245



216, 115, 255



245, 133, 221



119, 110, 122



135, 0, 186



42, 0, 59

Inverse Universe

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



245, 133, 164



255, 115, 154



133, 225, 245



122, 110, 114



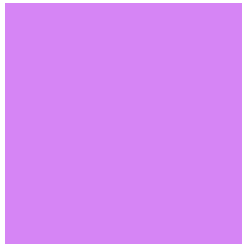
186, 0, 52



59, 0, 16

Previews

White Background



This preview shows how the RYB color 214, 133, 245 looks on a white background.

Color Contrast Check

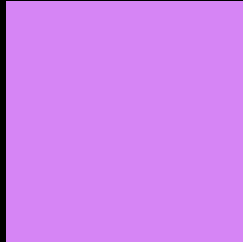
Large Text (above 18pt) WCAG AA × Fail

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, 133, 245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

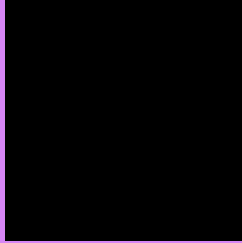
Any Text WCAG AA ✓ Pass

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, 133, 245 Background



This preview shows how black text looks on a background with the RYB color 214, 133, 245.

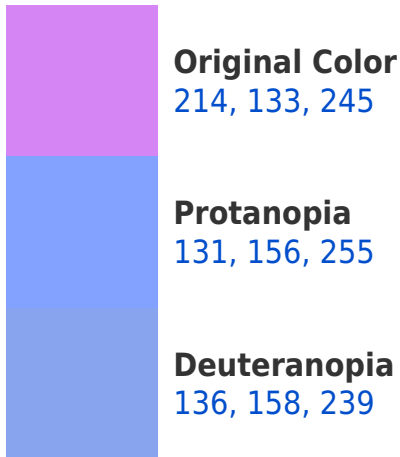



This preview shows how white text looks on a background with the RYB color 214, 133, 245.

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

202, 152, 163

Trichromacy



Original Color

214, 133, 245



Protanomaly

161, 151, 251



Deuteranomaly

164, 153, 241



Tritanomaly

206, 145, 193

Monochromacy



Original Color

214, 133, 245



Achromatopsia

170, 170, 170



Achromatomaly

186, 157, 197

CSS Examples

Text

The CSS property to change the color of the text to RYB 214, 133, 245 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, 133, 245) looks like.

```
.text, #text, p{  
    color:rgb(214, 133, 245)  
}
```

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, 133, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 133, 245) }
```

Border

The CSS property to change the border of an element to RYB 214, 133, 245 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, 133, 245) }
```

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

```
.border{ border-color:rgb(214, 133, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 133, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 133, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 133, 245);  
box-shadow:4px 4px 4px 4px rgb(214, 133,  
245) }
```

Background

The CSS property to change the background color of an element to RYB 214, 133, 245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 133, 245) }
```

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

```
.background{ background-color: rgb(214,  
133, 245) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor