

Converting Colors

`RYB(217, 134, 223)`

Have a look what the booklet for
RYB(217, 134, 223) contains.

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Color

R_YB(217, 134, 223)

Conversions

Conversions Part 1

Format	Color
Hex	D986DF
RGB	217, 134, 223
RGB Percent	85%, 53%, 87%
CMY	0.1490, 0.4745, 0.1255
CMYK	0.03, 0.40, 0.00, 0.13
HSL	296°, 58%, 70%
HSV	296°, 40%, 87%
XYZ	50.4597, 37.1296, 74.3193
YIQ	168.9630, 20.8990, 45.2750

Conversions

Conversions Part 2

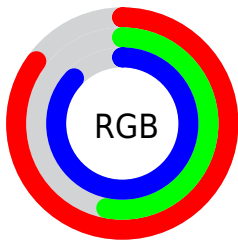
Format	Color
RYB	217, 134, 223
Decimal	14255839
CIELab	67.37, 45.49, -32.35
CIELCh	67, 55.816, 324.585
Yxy	37.1296, 0.3117, 0.2293
Android (android.graphics.Color)	4292445919 (0xFFD986DF)
YUV	168.9630, 26.6402, 42.1284
Hunter-Lab	60.9341, 41.1816, -29.6602

Details

The RYB color **217, 134, 223** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **134, 223, 217**, and the grayscale version is **169, 169, 169**.

A 20% lighter version of the original color is **255, 189, 255**, and **160, 82, 167** is the 20% darker color. If you saturate the color by 10%, you get **215, 112, 223**, and if you desaturate by 10%, it is **219, 156, 223**.

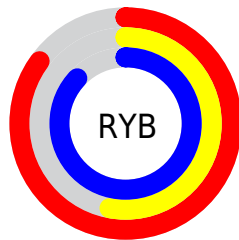
Distribution



Red (85%)

Green (53%)

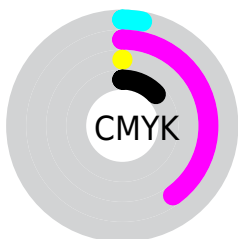
Blue (87%)



Red (85%)

Yellow (53%)

Blue (87%)

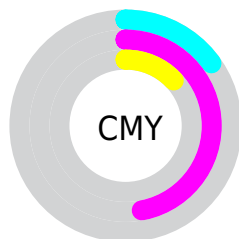


Cyan (3%)

Magenta (40%)

Yellow (0%)

Black (13%)



Cyan (15%)


Magenta (47%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 217, 134, 223 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 217, 134, 223 by changing the saturation by 10% instead.

 217, 134, 223

 217, 134, 223


255, 255, 255

 188, 108, 195

 255, 189, 255

 160, 82, 167

 255, 217, 255

 133, 56, 141

 255, 246, 255

 107, 29, 115


 81, 0, 90


 55, 0, 66


 33, 0, 44

 0, 1, 22

 0, 0, 0


 217, 134, 223


 217, 134, 223

 215, 112, 223


 219, 156, 223

 214, 89, 223

 220, 179, 223

 212, 67, 223

 222, 201, 223

 211, 45, 223

 223, 223, 223

 209, 22, 223

 223, 245, 243

 208, 0, 223

 223, 255, 252

 223, 255, 250

 223, 255, 249

 223, 255, 247

Harmonies

Analogous

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



151, 154, 255



217, 134, 223



251, 120, 175

Triad

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



217, 134, 223



119, 200, 59



0, 98, 204

Complementary

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



217, 134, 223



134, 223, 217

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, 104, 188



217, 134, 223



67, 174, 90

Square

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



217, 134, 223



237, 171, 83



88, 171, 184



0, 105, 245

Rectangle

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



217, 134, 223



255, 120, 141



88, 171, 184



0, 95, 189

Sweetspot

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



217, 134, 223



253, 224, 255



134, 140, 223



126, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



217, 134, 223



247, 133, 255



223, 134, 186



111, 101, 112



164, 0, 176



45, 0, 48

Inverse Universe

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



223, 134, 140



255, 133, 141



134, 197, 223



112, 101, 102



176, 0, 12



48, 0, 3

Previews

White Background



This preview shows how the RYB color 217, 134, 223 looks on a white background.

Color Contrast Check

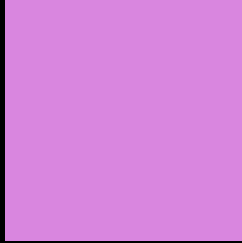
Large Text (above 18pt) WCAG AA × Fail

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 217, 134, 223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

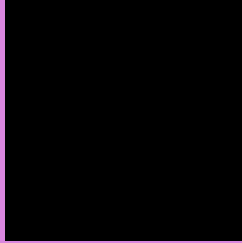
Any Text WCAG AA ✓ Pass

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 217, 134, 223 Background



This preview shows how black text looks on a background with the RYB color 217, 134, 223.

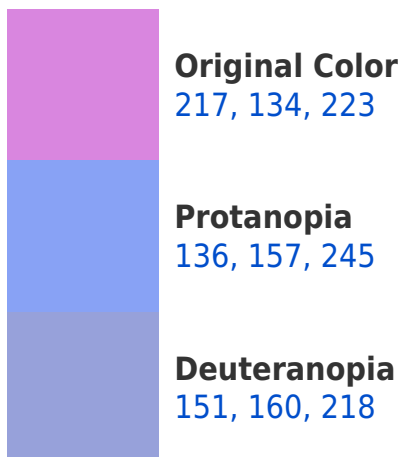


This preview shows how white text looks on a background with the RYB color 217, 134, 223.

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
208, 148, 159

Trichromacy



Original Color

217, 134, 223



Protanomaly

165, 152, 237



Deuteranomaly

175, 152, 220



Tritanomaly

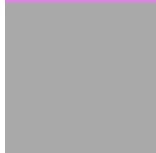
211, 143, 182

Monochromacy



Original Color

217, 134, 223



Achromatopsia

169, 169, 169



Achromatomaly

186, 156, 189

CSS Examples

Text

The CSS property to change the color of the text to RYB 217, 134, 223 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(217, 134, 223) looks like.

```
.text, #text, p{  
    color:rgb(217, 134, 223)  
}
```

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(217, 134, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 134, 223) }
```

Border

The CSS property to change the border of an element to RYB 217, 134, 223 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(217, 134, 223) }
```

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

```
.border{ border-color:rgb(217, 134, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 134, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 134, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 134, 223);  
box-shadow:4px 4px 4px 4px rgb(217, 134,  
223) }
```

Background

The CSS property to change the background color of an element to RYB 217, 134, 223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 134, 223) }
```

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

```
.background{ background-color: rgb(217,  
134, 223) }
```

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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