

Converting Colors

`RYB(228, 145, 245)`

Have a look what the booklet for
RYB(228, 145, 245) contains.

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Color

`RYB(228, 145, 245)`

Conversions

Conversions Part 1

Format	Color
Hex	E491F5
RGB	228, 145, 245
RGB Percent	89%, 57%, 96%
CMY	0.1059, 0.4314, 0.0392
CMYK	0.07, 0.41, 0.00, 0.04
HSL	290°, 83%, 76%
HSV	290°, 41%, 96%
XYZ	58.6017, 43.3374, 91.6625
YIQ	181.2170, 17.3680, 48.6960

Conversions

Conversions Part 2

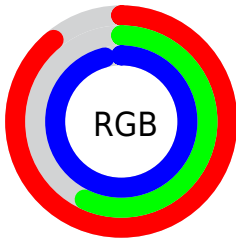
Format	Color
RYB	228, 145, 245
Decimal	14979573
CIELab	71.78, 47.18, -37.50
CIELCh	72, 60.267, 321.527
Yxy	43.3374, 0.3027, 0.2238
Android (android.graphics.Color)	4293169653 (0xFFE491F5)
YUV	181.2170, 31.4450, 41.0287
Hunter-Lab	65.8311, 43.6932, -36.4730

Details

The RYB color **228, 145, 245** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **145, 245, 228**, and the grayscale version is **181, 181, 181**.

A 20% lighter version of the original color is **255, 200, 255**, and **171, 92, 188** is the 20% darker color. If you saturate the color by 10%, you get **224, 120, 245**, and if you desaturate by 10%, it is **232, 169, 245**.

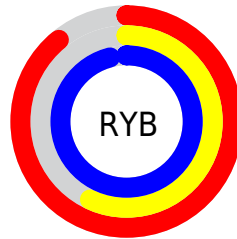
Distribution



Red (89%)

Green (57%)

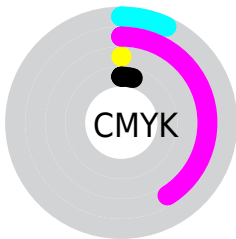
Blue (96%)



Red (89%)

Yellow (57%)

Blue (96%)

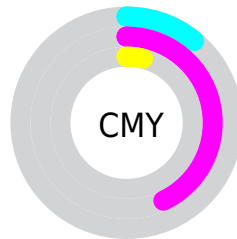


Cyan (7%)

Magenta (41%)

Yellow (0%)

Black (4%)



Cyan (11%)

Magenta (43%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RYB color 228, 145, 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 228, 145, 245 by changing the saturation by 10% instead.

 228, 145, 245

255, 255, 255

 255, 200, 255

 255, 229, 255

 228, 145, 245

 199, 118, 216

 171, 92, 188

 143, 66, 161

 116, 40, 135

 90, 9, 109

 64, 0, 84

 41, 0, 61

 1, 0, 38

 0, 1, 14


 228, 145, 245

 228, 145, 245

 224, 120, 245


 232, 169, 245

 220, 96, 245

 236, 194, 245

 216, 71, 245

 240, 219, 245

 211, 47, 245

 245, 243, 245

 207, 22, 245

 245, 255, 251

 203, 0, 245

 245, 255, 247

 245, 255, 245

Harmonies

Analogous

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



151, 166, 255



228, 145, 245



255, 128, 194

Triad

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



228, 145, 245



138, 220, 61



0, 104, 215

Complementary

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



228, 145, 245



145, 245, 228

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, 113, 202



228, 145, 245



66, 185, 83

Square

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



228, 145, 245



255, 174, 91



101, 193, 196



0, 111, 255

Rectangle

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



228, 145, 245



255, 127, 157



101, 193, 196



0, 103, 203

Sweetspot

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



228, 145, 245



250, 224, 255



145, 160, 245



124, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



228, 145, 245



234, 130, 255



245, 145, 213



120, 110, 122



155, 0, 186



49, 0, 59

Inverse Universe

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



245, 145, 162



255, 130, 151



145, 221, 245



122, 110, 112



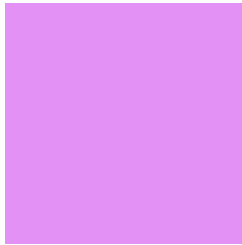
186, 0, 32



59, 0, 10

Previews

White Background



This preview shows how the RYB color 228, 145, 245 looks on a white background.

Color Contrast Check

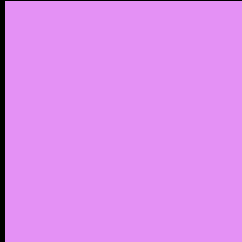
Large Text (above 18pt) WCAG AA × Fail

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 228, 145, 245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

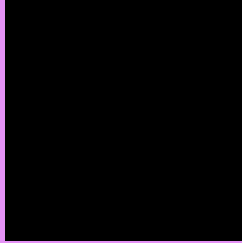
Any Text WCAG AA ✓ Pass

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 228, 145, 245 Background



This preview shows how black text looks on a background with the RYB color 228, 145, 245.

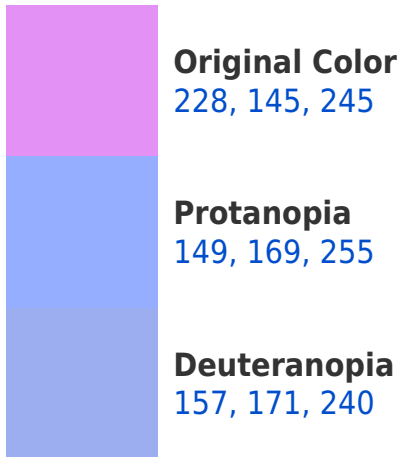



This preview shows how white text looks on a background with the RYB color 228, 145, 245.

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
218, 161, 173

Trichromacy



Original Color

228, 145, 245



Protanomaly

178, 163, 251



Deuteranomaly

183, 163, 242



Tritanomaly

222, 155, 199

Monochromacy



Original Color

228, 145, 245



Achromatopsia

181, 181, 181



Achromatomaly

198, 168, 204

CSS Examples

Text

The CSS property to change the color of the text to RYB 228, 145, 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(228, 145, 245) looks like.

```
.text, #text, p{  
    color:rgb(228, 145, 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(228, 145, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 145, 245) }
```

Border

The CSS property to change the border of an element to RYB 228, 145, 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(228, 145, 245) }
```

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

```
.border{ border-color:rgb(228, 145, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 145, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 145, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 145, 245); box-shadow:4px 4px 4px 4px rgb(228, 145, 245) }
```

Background

The CSS property to change the background color of an element to RGB 228, 145, 245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 145, 245) }
```

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

```
.background{ background-color: rgb(228,  
145, 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](#).

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