

Converting Colors

`RYB(233, 154, 246)`

Have a look what the booklet for
RYB(233, 154, 246) contains.

RYB(233, 154, 246)	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(233, 154, 246)`

Conversions

Conversions Part 1

Format	Color
Hex	E99AF6
RGB	233, 154, 246
RGB Percent	91%, 60%, 96%
CMY	0.0863, 0.3961, 0.0353
CMYK	0.05, 0.37, 0.00, 0.04
HSL	292°, 84%, 78%
HSV	292°, 37%, 96%
XYZ	61.7944, 47.0887, 93.0209
YIQ	188.1090, 17.5520, 45.3600

Conversions

Conversions Part 2

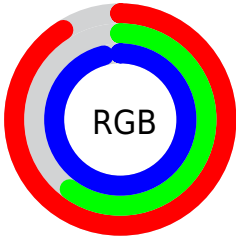
Format	Color
R _Y B	233, 154, 246
Decimal	15309558
CIE Lab	74.25, 44.16, -34.18
CIE LCh	74, 55.839, 322.262
Yxy	47.0887, 0.3061, 0.2332
Android (android.graphics.Color)	4293499638 (0xFFE99AF6)
YUV	188.1090, 28.5403, 39.3694
Hunter-Lab	68.6212, 40.6549, -32.3370

Details

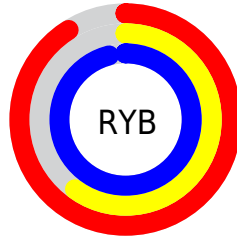
The RYB color **233, 154, 246** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **154, 246, 233**, and the grayscale version is **188, 188, 188**.

A 20% lighter version of the original color is **255, 210, 255**, and **176, 101, 189** is the 20% darker color. If you saturate the color by 10%, you get **230, 129, 246**, and if you desaturate by 10%, it is **236, 179, 246**.

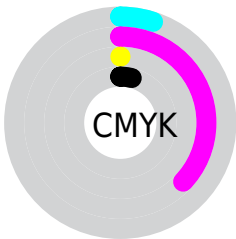
Distribution



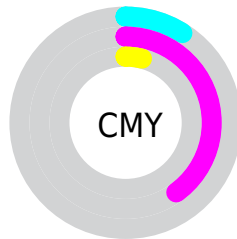
- Red (91%)
- Green (60%)
- Blue (96%)



- Red (91%)
- Yellow (60%)
- Blue (96%)



- Cyan (5%)
- Magenta (37%)
- Yellow (0%)
- Black (4%)



- Cyan (9%)
- Magenta (40%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the RYB color 233, 154, 246 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 233, 154, 246 by changing the saturation by 10% instead.

 233, 154, 246

 233, 154, 246


255, 255, 255


 204, 127, 217

 255, 210, 255

 176, 101, 189

 255, 238, 255


 148, 75, 162

 121, 50, 136

 95, 23, 110

 69, 0, 85


 45, 0, 62

 18, 0, 39

 0, 1, 16

 233, 154, 246


 233, 154, 246

 230, 129, 246

 236, 179, 246

 226, 105, 246

 240, 203, 246

 223, 80, 246

 243, 228, 246

 219, 56, 246


 246, 252, 251

 216, 31, 246

 246, 255, 251

 212, 6, 246

 246, 255, 247

 211, 0, 246

 246, 255, 246

Harmonies

Analogous

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



164, 173, 255



233, 154, 246



255, 140, 198

Triad

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



233, 154, 246



152, 224, 78



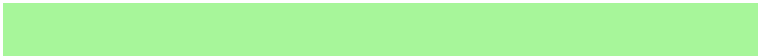
0, 107, 220

Complementary

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



233, 154, 246



154, 246, 233

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, 115, 208



233, 154, 246



83, 191, 99

Square

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



233, 154, 246



255, 184, 103



113, 198, 202



0, 113, 255

Rectangle

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



233, 154, 246



255, 139, 163



113, 198, 202



0, 106, 209

Sweetspot

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



233, 154, 246



251, 227, 255



154, 166, 246



125, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



233, 154, 246



239, 140, 255



246, 154, 214



121, 110, 122



160, 0, 186



50, 0, 59

Inverse Universe

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



246, 154, 167



255, 140, 156



154, 222, 246



122, 110, 112



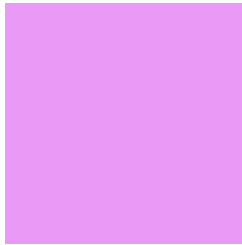
186, 0, 26



59, 0, 8

Previews

White Background



This preview shows how the RYB color 233, 154, 246 looks on a white background.

Color Contrast Check

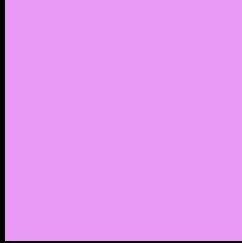
Large Text (above 18pt) WCAG AA × Fail

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 233, 154, 246 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 233, 154, 246 Background



This preview shows how black text looks on a background with the RYB color 233, 154, 246.

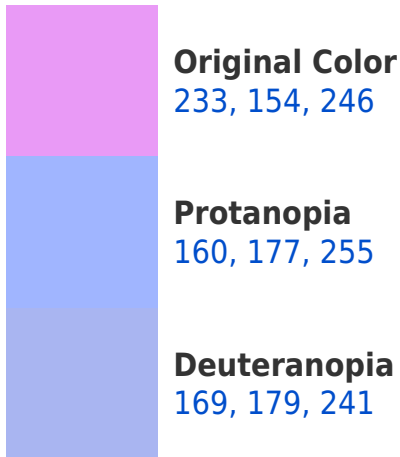



This preview shows how white text looks on a background with the RYB color 233, 154, 246.

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
224, 168, 181

Trichromacy



Original Color

233, 154, 246



Protanomaly

187, 171, 252



Deuteranomaly

192, 171, 243



Tritanomaly

227, 163, 205

Monochromacy



Original Color

233, 154, 246



Achromatopsia

188, 188, 188



Achromatomaly

204, 176, 209

CSS Examples

Text

The CSS property to change the color of the text to RYB 233, 154, 246 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(233, 154, 246) looks like.

```
.text, #text, p{  
    color:rgb(233, 154, 246)  
}
```

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(233, 154, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 154, 246) }
```

Border

The CSS property to change the border of an element to RYB 233, 154, 246 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(233, 154, 246) }
```

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

```
.border{ border-color:rgb(233, 154, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 154, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 154, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 154, 246);  
box-shadow:4px 4px 4px 4px rgb(233, 154,  
246) }
```

Background

The CSS property to change the background color of an element to RYB 233, 154, 246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 154, 246) }
```

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

```
.background{ background-color: rgb(233,  
154, 246) }
```

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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