

Converting Colors

`RYB(234, 166, 244)`

Have a look what the booklet for
RYB(234, 166, 244) contains.

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Color

R_YB(234, 166, 244)

Conversions

Conversions Part 1

Format	Color
Hex	EAA6F4
RGB	234, 166, 244
RGB Percent	92%, 65%, 96%
CMY	0.0824, 0.3490, 0.0431
CMYK	0.04, 0.32, 0.00, 0.04
HSL	292°, 78%, 80%
HSV	292°, 32%, 96%
XYZ	63.8970, 51.2965, 92.1214
YIQ	195.2240, 15.4900, 38.6740

Conversions

Conversions Part 2

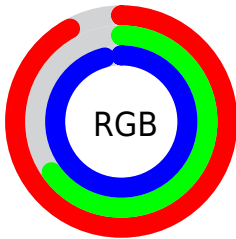
Format	Color
R_{YB}	234, 166, 244
Decimal	15378164
CIE _{Lab}	76.86, 37.76, -29.06
CIE _{LCh}	77, 47.647, 322.417
Yxy	51.2965, 0.3082, 0.2474
Android (android.graphics.Color)	4293568244 (0xFFEAA6F4)
YUV	195.2240, 24.0466, 34.0066
Hunter-Lab	71.6216, 33.9106, -26.1251

Details

The RYB color **234, 166, 244** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **166, 244, 234**, and the grayscale version is **195, 195, 195**.

A 20% lighter version of the original color is **255, 222, 255**, and **177, 113, 188** is the 20% darker color. If you saturate the color by 10%, you get **231, 142, 244**, and if you desaturate by 10%, it is **237, 190, 244**.

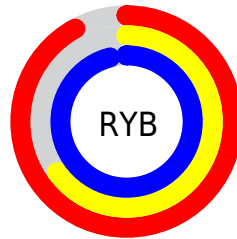
Distribution



Red (92%)

Green (65%)

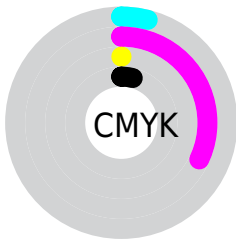
Blue (96%)



Red (92%)

Yellow (65%)

Blue (96%)

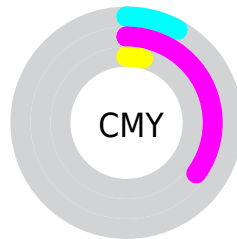


Cyan (4%)

Magenta (32%)

Yellow (0%)

Black (4%)



Cyan (8%)

Magenta (35%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RYB color 234, 166, 244 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 234, 166, 244 by changing the saturation by 10% instead.

 234, 166, 244

 234, 166, 244

255, 255, 255

 205, 139, 215

 255, 222, 255

 177, 113, 188

 255, 251, 255

 150, 87, 160

 123, 63, 134


 97, 38, 108

 72, 12, 84


 47, 0, 60

 26, 0, 38

 0, 1, 15

 234, 166, 244

 234, 166, 244

 231, 142, 244


 237, 190, 244

 228, 117, 244

 240, 215, 244

 225, 93, 244


 243, 239, 244

 221, 68, 244


 244, 255, 252

 218, 44, 244

 244, 255, 249

 215, 20, 244

 244, 255, 246

 213, 0, 244

 244, 255, 244

Harmonies

Analogous

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



177, 182, 255



234, 166, 244



255, 155, 203

Triad

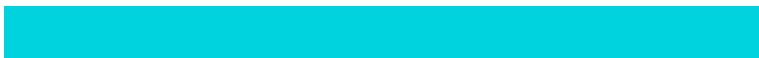
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



234, 166, 244



169, 227, 101



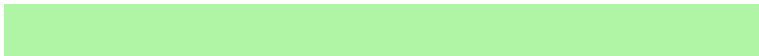
0, 108, 222

Complementary

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



234, 166, 244



166, 244, 234

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.



62, 147, 212



234, 166, 244



106, 197, 119

Square

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



234, 166, 244



255, 193, 121



132, 205, 207



0, 115, 255

Rectangle

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



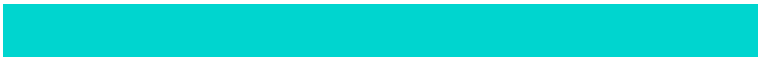
234, 166, 244



255, 154, 173



132, 205, 207



0, 108, 213

Sweetspot

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



234, 166, 244



252, 230, 255



166, 175, 244



126, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



234, 166, 244



243, 158, 255



244, 166, 215



121, 110, 122



162, 0, 186



51, 0, 59

Inverse Universe

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



244, 166, 176



255, 158, 171



166, 223, 244



122, 110, 112



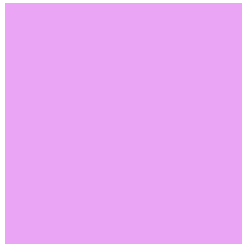
186, 0, 24



59, 0, 8

Previews

White Background



This preview shows how the RYB color 234, 166, 244 looks on a white background.

Color Contrast Check

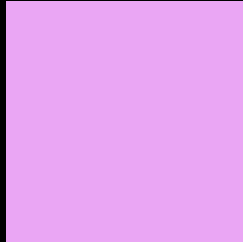
Large Text (above 18pt) WCAG AA × Fail

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 234, 166, 244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

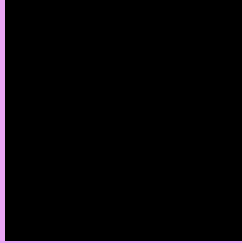
Any Text WCAG AA ✓ Pass

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 234, 166, 244 Background



This preview shows how black text looks on a background with the RYB color 234, 166, 244.

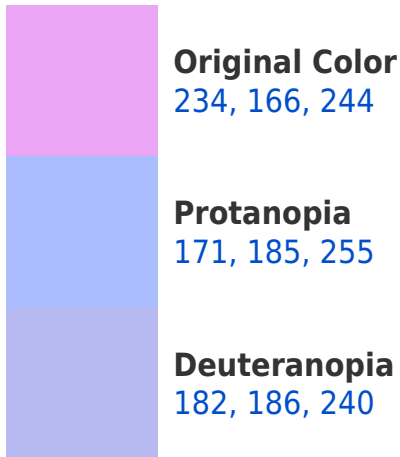


This preview shows how white text looks on a background with the RYB color 234, 166, 244.

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
226, 177, 190

Trichromacy



Original Color

234, 166, 244



Protanomaly

194, 180, 251



Deuteranomaly

201, 179, 241



Tritanomaly

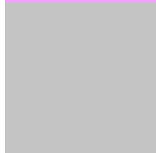
229, 173, 210

Monochromacy



Original Color

234, 166, 244



Achromatopsia

195, 195, 195



Achromatomaly

209, 184, 213

CSS Examples

Text

The CSS property to change the color of the text to RYB 234, 166, 244 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(234, 166, 244) looks like.

```
.text, #text, p{  
    color:rgb(234, 166, 244)  
}
```

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(234, 166, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 166, 244) }
```

Border

The CSS property to change the border of an element to RYB 234, 166, 244 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(234, 166, 244) }
```

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

```
.border{ border-color:rgb(234, 166, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 166, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(234, 166, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(234, 166, 244); box-shadow:4px 4px 4px 4px rgb(234, 166, 244) }
```

Background

The CSS property to change the background color of an element to RYB 234, 166, 244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 166, 244) }
```

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

```
.background{ background-color: rgb(234,  
166, 244) }
```

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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