

Converting Colors

`RYB(233, 146, 220)`

Have a look what the booklet for
RYB(233, 146, 220) contains.

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Color

`RYB(233, 146, 220)`

Conversions

Conversions Part 1

Format	Color
Hex	E992DC
RGB	233, 146, 220
RGB Percent	91%, 57%, 86%
CMY	0.0863, 0.4275, 0.1373
CMYK	0.00, 0.37, 0.06, 0.09
HSL	309°, 66%, 74%
HSV	309°, 37%, 91%
XYZ	56.8014, 43.0487, 73.0256
YIQ	180.4490, 28.0980, 41.4580

Conversions

Conversions Part 2

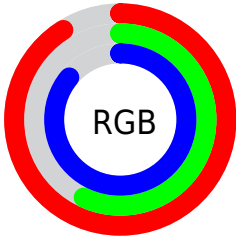
Format	Color
R _Y B	233, 146, 220
Decimal	15307484
CIE Lab	71.59, 43.62, -24.05
CIE LCh	72, 49.814, 331.129
Yxy	43.0487, 0.3286, 0.2490
Android (android.graphics.Color)	4293497564 (0xFFE992DC)
YUV	180.4490, 19.4986, 46.0872
Hunter-Lab	65.6115, 39.7115, -20.0617

Details

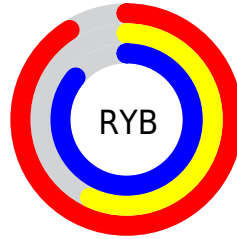
The RYB color **233, 146, 220** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **146, 222, 233**, and the grayscale version is **180, 180, 180**.

A 20% lighter version of the original color is **255, 201, 255**, and **176, 93, 165** is the 20% darker color. If you saturate the color by 10%, you get **233, 123, 217**, and if you desaturate by 10%, it is **233, 169, 223**.

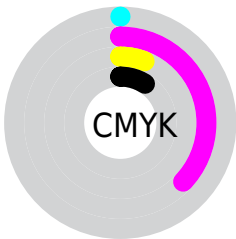
Distribution



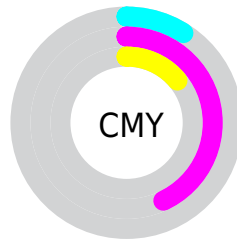
- Red (91%)
- Green (57%)
- Blue (86%)



- Red (91%)
- Yellow (57%)
- Blue (86%)



- Cyan (0%)
- Magenta (37%)
- Yellow (6%)
- Black (9%)



- Cyan (9%)
- Magenta (43%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the RYB color 233, 146, 220 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, 146, 220 by changing the saturation by 10% instead.

 233, 146, 220

 233, 146, 220

255, 255, 255


 204, 119, 192

 255, 201, 255

 176, 93, 165

 255, 230, 255

 148, 68, 138

 121, 42, 113

 95, 12, 88

 69, 0, 64

 47, 0, 42

 8, 0, 20


 0, 0, 0

 233, 146, 220


 233, 146, 220

 233, 123, 217


 233, 169, 223

 233, 99, 213


 233, 193, 227

 233, 76, 210

 233, 216, 230

 233, 53, 206

 233, 238, 239

 233, 30, 203

 233, 252, 255

 233, 6, 199

 233, 249, 255

 233, 0, 198

 233, 248, 255

 233, 246, 255

 233, 245, 255

Harmonies

Analogous

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



181, 163, 253



233, 146, 220



255, 137, 175

Triad

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



233, 146, 220



119, 201, 82



0, 104, 221

Complementary

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



233, 146, 220



146, 222, 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, 106, 199



233, 146, 220



95, 187, 128

Square

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



233, 146, 220



237, 204, 96



96, 170, 195



0, 109, 254

Rectangle

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



233, 146, 220



255, 139, 145



96, 170, 195



0, 101, 207

Sweetspot

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



233, 146, 220



255, 227, 251



158, 146, 233



128, 111, 125



0, 0, 0



128, 128, 128

Same Dimension

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



233, 146, 220



255, 140, 238



233, 146, 178



117, 106, 116



181, 0, 154



54, 0, 46

Inverse Universe

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



233, 146, 220



255, 140, 238



146, 199, 233



117, 106, 116



181, 0, 154



54, 0, 46

Previews

White Background



This preview shows how the RYB color 233, 146, 220 looks on a white background.

Color Contrast Check

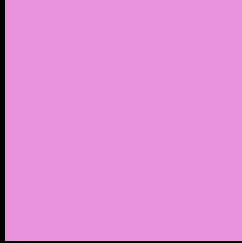
Large Text (above 18pt) WCAG AA × Fail

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, 146, 220 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, 146, 220 Background



This preview shows how black text looks on a background with the RYB color 233, 146, 220.

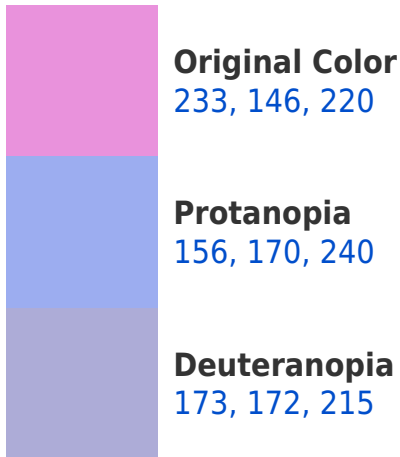


This preview shows how white text looks on a background with the RYB color 233, 146, 220.

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
227, 156, 168

Trichromacy



Original Color

233, 146, 220



Protanomaly

184, 163, 233



Deuteranomaly

195, 163, 217



Tritanomaly

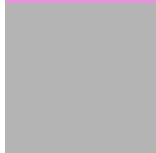
229, 152, 187

Monochromacy



Original Color

233, 146, 220



Achromatopsia

180, 180, 180



Achromatomaly

199, 168, 195

CSS Examples

Text

The CSS property to change the color of the text to RYB 233, 146, 220 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, 146, 220) looks like.

```
.text, #text, p{  
    color:rgb(233, 146, 220)  
}
```

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, 146, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 146, 220) }
```

Border

The CSS property to change the border of an element to RYB 233, 146, 220 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, 146, 220) }
```

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

```
.border{ border-color:rgb(233, 146, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 146, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 146, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 146, 220);  
box-shadow:4px 4px 4px 4px rgb(233, 146,  
220) }
```

Background

The CSS property to change the background color of an element to RGB 233, 146, 220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 146, 220) }
```

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

```
.background{ background-color: rgb(233,  
146, 220) }
```

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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