

Converting Colors

`RYB(233, 73, 231)`

Have a look what the booklet for
RYB(233, 73, 231) contains.

RYB(233, 73, 231)	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, 73, 231)`

Conversions

Conversions Part 1

Format	Color
Hex	E949E7
RGB	233, 73, 231
RGB Percent	91%, 29%, 91%
CMY	0.0863, 0.7137, 0.0941
CMYK	0.00, 0.69, 0.01, 0.09
HSL	301°, 78%, 60%
HSV	301°, 69%, 91%
XYZ	50.4106, 27.8582, 78.3216
YIQ	138.8520, 44.6420, 83.0580

Conversions

Conversions Part 2

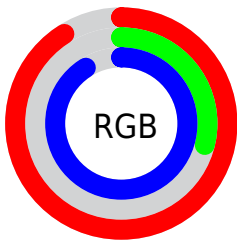
Format	Color
RYB	233, 73, 231
Decimal	15288807
CIELab	59.76, 78.18, -48.58
CIELCh	60, 92.039, 328.143
Yxy	27.8582, 0.3219, 0.1779
Android (android.graphics.Color)	4293478887 (0xFFE949E7)
YUV	138.8520, 45.4290, 82.5678
Hunter-Lab	52.7809, 78.1173, -51.0337

Details

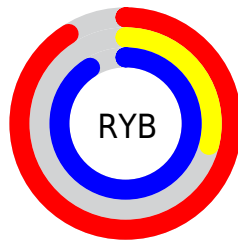
The RYB color **233, 73, 231** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **73, 231, 233**, and the grayscale version is **138, 138, 138**.

A 20% lighter version of the original color is **255, 134, 255**, and **173, 0, 175** is the 20% darker color. If you saturate the color by 10%, you get **233, 50, 231**, and if you desaturate by 10%, it is **233, 96, 231**.

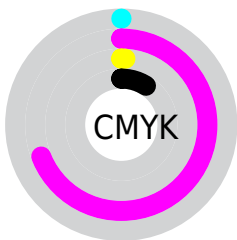
Distribution



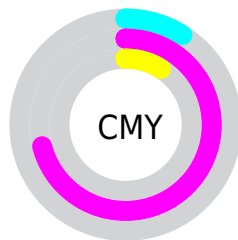
- Red (91%)
- Green (29%)
- Blue (91%)



- Red (91%)
- Yellow (29%)
- Blue (91%)



- Cyan (0%)
- Magenta (69%)
- Yellow (1%)
- Black (9%)





- Cyan (9%)
- Magenta (71%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 233, 73, 231 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, 73, 231 by changing the saturation by 10% instead.

 233, 73, 231

 233, 73, 231

255, 255, 255

 203, 36, 203


 255, 134, 255

 173, 0, 175

 255, 164, 255

 144, 0, 148

 255, 193, 255

 115, 0, 121

 255, 223, 255

 87, 0, 96


 255, 253, 255

 61, 0, 71


 30, 0, 48

 0, 1, 26

 0, 0, 0

 233, 73, 231

 233, 73, 231

 233, 50, 231

 233, 96, 231

 233, 26, 230

 233, 120, 232

 233, 3, 230

 233, 143, 232

 233, 0, 230

 233, 166, 232

 233, 190, 232

 233, 213, 233

 233, 236, 236

 233, 255, 255

 233, 254, 255

Harmonies

Analogous

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



116, 124, 255



233, 73, 231



255, 0, 153

Triad

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



233, 73, 231



52, 179, 0



0, 98, 219

Complementary

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



233, 73, 231



73, 231, 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, 100, 177



233, 73, 231



0, 161, 63

Square

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



233, 73, 231



239, 181, 0



0, 134, 172



0, 103, 255

Rectangle

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



233, 73, 231



255, 17, 99



0, 134, 172



0, 93, 193

Sweetspot

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



233, 73, 231



255, 201, 254



73, 73, 233



128, 96, 127



0, 0, 0



128, 128, 128

Same Dimension

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



233, 73, 231



255, 46, 252



233, 73, 153



117, 106, 117



181, 0, 179



54, 0, 53

Inverse Universe

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



233, 73, 231



255, 46, 252



73, 180, 233



117, 106, 117



181, 0, 179



54, 0, 53

Previews

White Background



This preview shows how the RYB color 233, 73, 231 looks on a white background.

Color Contrast Check

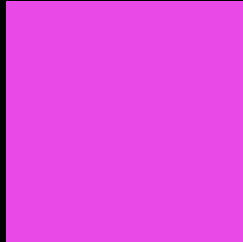
Large Text (above 18pt) WCAG AA ✓ Pass

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, 73, 231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

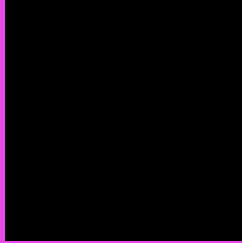
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 233, 73, 231 Background



This preview shows how black text looks on a background with the RYB color 233, 73, 231.

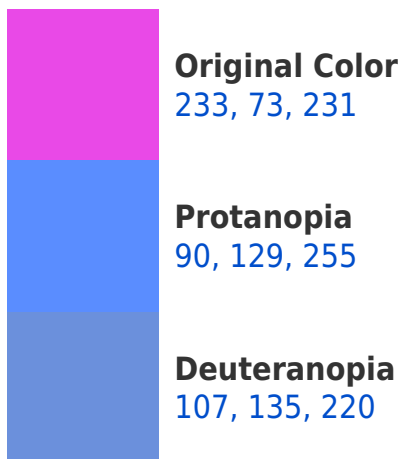


This preview shows how white text looks on a background with the RYB color 233, 73, 231.

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
220, 110, 118

Trichromacy



Original Color
233, 73, 231



Protanomaly
142, 116, 246



Deuteranomaly
153, 118, 224



Tritanomaly
225, 97, 159

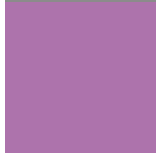
Monochromacy



Original Color
233, 73, 231



Achromatopsia
139, 139, 139



Achromatomaly
173, 115, 172

CSS Examples

Text

The CSS property to change the color of the text to RYB 233, 73, 231 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, 73, 231)` looks like.

```
.text, #text, p{  
    color:rgb(233, 73, 231)  
}
```

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, 73, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 73, 231) }
```

Border

The CSS property to change the border of an element to RYB 233, 73, 231 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, 73, 231) }
```

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

```
.border{ border-color:rgb(233, 73, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 73, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 73, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 73, 231);  
box-shadow:4px 4px 4px 4px rgb(233, 73,  
231) }
```

Background

The CSS property to change the background color of an element to RGB 233, 73, 231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 73, 231) }
```

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

```
.background{ background-color: rgb(233, 73,  
231) }
```

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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