

Converting Colors

`RYB(231, 73, 233)`

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

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Color

R_YB(231, 73, 233)

Conversions

Conversions Part 1

Format	Color
Hex	E749E9
RGB	231, 73, 233
RGB Percent	91%, 29%, 91%
CMY	0.0941, 0.7137, 0.0863
CMYK	0.01, 0.69, 0.00, 0.09
HSL	299°, 78%, 60%
HSV	299°, 69%, 91%
XYZ	50.0455, 27.6372, 79.7876
YIQ	138.4820, 42.8080, 83.2560

Conversions

Conversions Part 2

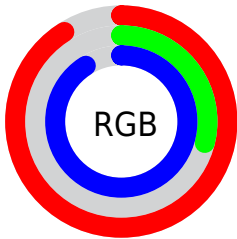
Format	Color
RYB	231, 73, 233
Decimal	15157737
CIELab	59.56, 78.06, -50.04
CIELCh	60, 92.721, 327.341
Yxy	27.6372, 0.3178, 0.1755
Android (android.graphics.Color)	4293347817 (0xFFE749E9)
YUV	138.4820, 46.5974, 81.1383
Hunter-Lab	52.5711, 77.9252, -53.1852

Details

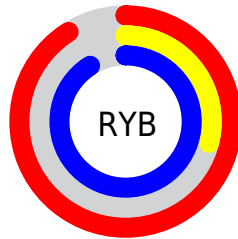
The RYB color **231, 73, 233** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **73, 233, 231**, and the grayscale version is **138, 138, 138**.

A 20% lighter version of the original color is **255, 134, 255**, and **171, 0, 177** is the 20% darker color. If you saturate the color by 10%, you get **231, 50, 233**, and if you desaturate by 10%, it is **231, 96, 233**.

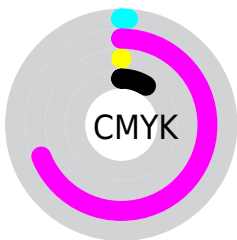
Distribution



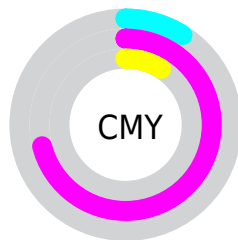
- Red (91%)
- Green (29%)
- Blue (91%)



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



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



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

Brightness & Saturation Gradients

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



231, 73, 233



231, 73, 233

255, 255, 255



201, 36, 204



255, 134, 255



171, 0, 177



255, 163, 255



142, 0, 149



255, 193, 255



114, 0, 123



255, 223, 255



85, 0, 97



255, 253, 255



60, 0, 73




28, 0, 49





0, 1, 27




0, 0, 0

 231, 73, 233

 231, 73, 233


 231, 50, 233

 231, 96, 233


 230, 26, 233

 232, 120, 233

 230, 3, 233

 232, 143, 233

 230, 0, 233

 232, 166, 233

 232, 190, 233

 233, 213, 233

 233, 236, 236

 233, 255, 255

 233, 255, 254

Harmonies

Analogous

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



109, 123, 255



231, 73, 233



255, 0, 154

Triad

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



231, 73, 233



55, 180, 0



0, 97, 217

Complementary

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



231, 73, 233



73, 233, 231

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, 176



231, 73, 233



0, 160, 60

Square

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



231, 73, 233



240, 171, 0



0, 137, 171



0, 103, 255

Rectangle

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



231, 73, 233



255, 3, 101



0, 137, 171



0, 92, 190

Sweetspot

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



231, 73, 233



254, 201, 255



73, 76, 233



127, 96, 128



0, 0, 0



128, 128, 128

Same Dimension

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



231, 73, 233



252, 46, 255



233, 73, 156



117, 106, 117



179, 0, 181



53, 0, 54

Inverse Universe

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



233, 73, 75



255, 46, 49



73, 181, 233



117, 106, 106



181, 0, 2



54, 0, 1

Previews

White Background



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

Color Contrast Check

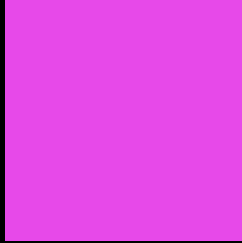
Large Text (above 18pt) WCAG AA ✓ Pass

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 231, 73, 233 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 231, 73, 233 Background



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

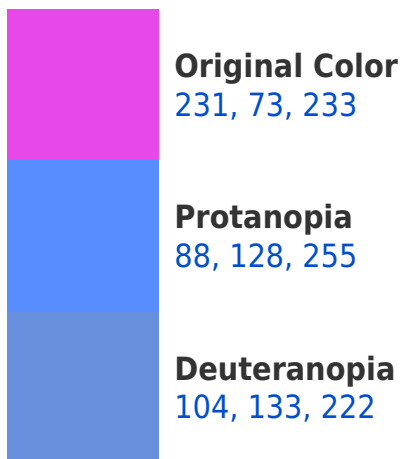


This preview shows how white text looks on a background with the RYB color 231, 73, 233.

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, 110, 118

Trichromacy



Original Color

231, 73, 233



Protanomaly

140, 116, 247



Deuteranomaly

150, 118, 226



Tritanomaly

223, 97, 160

Monochromacy



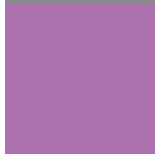
Original Color

231, 73, 233



Achromatopsia

138, 138, 138



Achromatomaly

172, 114, 173

CSS Examples

Text

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

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

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(231, 73, 233) colored shadow looks like.

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

Border

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

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

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

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

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

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

Background

The CSS property to change the background color of an element to RGB 231, 73, 233 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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