

Converting Colors

`RYB(231, 69, 226)`

Have a look what the booklet for RYB(231, 69, 226) contains.

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Color

RYB(231, 69, 226)

Conversions

Conversions Part 1

Format	Color
Hex	E745E2
RGB	231, 69, 226
RGB Percent	91%, 27%, 89%
CMY	0.0941, 0.7294, 0.1137
CMYK	0.00, 0.70, 0.02, 0.09
HSL	302°, 77%, 59%
HSV	302°, 70%, 91%
XYZ	48.8106, 26.7362, 74.5395
YIQ	135.3360, 46.1550, 83.1710

Conversions

Conversions Part 2

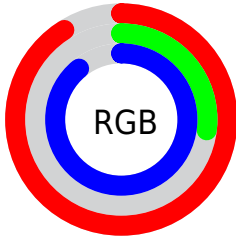
Format	Color
R _{YB}	231, 69, 226
Decimal	15156706
CIE Lab	58.73, 78.29, -47.42
CIE LCh	59, 91.535, 328.795
Yxy	26.7362, 0.3252, 0.1781
Android (android.graphics.Color)	4293346786 (0xFFE745E2)
YUV	135.3360, 44.6974, 83.8973
Hunter-Lab	51.7070, 78.0138, -49.2760

Details

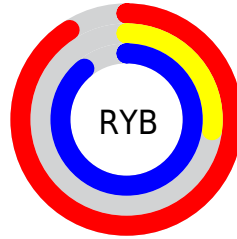
The RYB color **231, 69, 226** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **69, 226, 231**, and the grayscale version is **135, 135, 135**.

A 20% lighter version of the original color is **255, 131, 255**, and **171, 0, 170** is the 20% darker color. If you saturate the color by 10%, you get **231, 46, 225**, and if you desaturate by 10%, it is **231, 92, 227**.

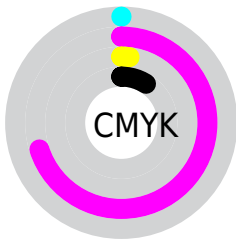
Distribution



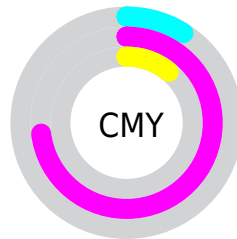
- Red (91%)
- Green (27%)
- Blue (89%)



- Red (91%)
- Yellow (27%)
- Blue (89%)



- Cyan (0%)
- Magenta (70%)
- Yellow (2%)
- Black (9%)





















- Cyan (9%)
- Magenta (73%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the RYB color 231, 69, 226 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, 69, 226 by changing the saturation by 10% instead.


 231, 69, 226	 231, 69, 226
 255, 255, 255	 201, 29, 198
 255, 131, 255	 171, 0, 170
 255, 160, 255	 142, 0, 143
 255, 190, 255	 114, 0, 117
 255, 220, 255	 85, 0, 91
 255, 250, 255	 59, 0, 67
	 28, 0, 44
	 0, 1, 22
	 0, 0, 0


 231, 69, 226


 231, 69, 226


 231, 46, 225


 231, 92, 227


 231, 23, 225

 231, 115, 227

 231, 0, 224

 231, 138, 228

 231, 161, 229

 231, 185, 230

 231, 208, 230

 231, 231, 231

 231, 253, 254

 231, 254, 255

Harmonies

Analogous

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



117, 121, 255



231, 69, 226



255, 0, 148

Triad

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



231, 69, 226



47, 174, 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, 69, 226



69, 226, 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, 98, 174



231, 69, 226



0, 158, 64

Square

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



231, 69, 226



234, 178, 0



0, 132, 169



0, 102, 255

Rectangle

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



231, 69, 226



255, 13, 95



0, 132, 169



0, 91, 191

Sweetspot

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



231, 69, 226



255, 201, 253



72, 69, 231



128, 96, 127



0, 0, 0



128, 128, 128

Same Dimension

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



231, 69, 226



255, 41, 248



231, 69, 147



115, 103, 114



179, 0, 173



51, 0, 49

Inverse Universe

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



231, 69, 226



255, 41, 248



69, 176, 231



115, 103, 114



179, 0, 173



51, 0, 49

Previews

White Background



This preview shows how the RYB color 231, 69, 226 looks on a white background.

Color Contrast Check

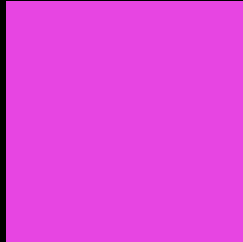
Large Text (above 18pt) WCAG AA ✓ Pass

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, 69, 226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

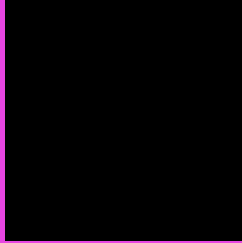
Any Text WCAG AA ✓ Pass

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, 69, 226 Background



This preview shows how black text looks on a background with the RYB color 231, 69, 226.

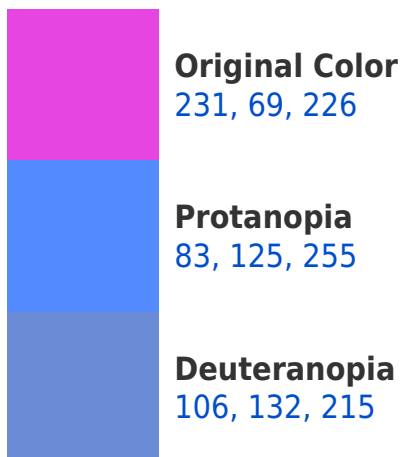



This preview shows how white text looks on a background with the RYB color 231, 69, 226.

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
219, 106, 114

Trichromacy



Original Color

231, 69, 226



Protanomaly

137, 113, 244



Deuteranomaly

151, 115, 219



Tritanomaly

223, 93, 155

Monochromacy



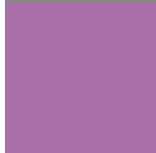
Original Color

231, 69, 226



Achromatopsia

135, 135, 135



Achromatomaly

170, 111, 168

CSS Examples

Text

The CSS property to change the color of the text to RYB 231, 69, 226 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, 69, 226)` looks like.

```
.text, #text, p{  
    color:rgb(231, 69, 226)  
}
```

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, 69, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 69, 226) }
```

Border

The CSS property to change the border of an element to RYB 231, 69, 226 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, 69, 226) }
```

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

```
.border{ border-color:rgb(231, 69, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 69, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 69, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 69, 226);  
box-shadow:4px 4px 4px 4px rgb(231, 69,  
226) }
```

Background

The CSS property to change the background color of an element to RGB 231, 69, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 69, 226) }
```

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

```
.background{ background-color: rgb(231, 69,  
226) }
```

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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