

Converting Colors

`RYB(231, 0, 108)`

Have a look what the booklet for
RYB(231, 0, 108) contains.

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Color

`RYB(231, 0, 108)`

Conversions

Conversions Part 1

Format	Color
Hex	E7006C
RGB	231, 0, 108
RGB Percent	91%, 0%, 42%
CMY	0.0941, 1.0000, 0.5765
CMYK	0.00, 1.00, 0.53, 0.09
HSL	332°, 100%, 45%
HSV	332°, 100%, 91%
XYZ	35.6618, 18.0716, 15.7959
YIQ	81.3810, 103.0080, 82.5600

Conversions

Conversions Part 2

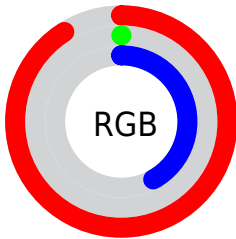
Format	Color
R_{YB}	231, 0, 108
Decimal	15138924
CIE _{Lab}	49.58, 77.94, 7.98
CIE _{LCh}	50, 78.350, 5.849
Yxy	18.0716, 0.5129, 0.2599
Android (android.graphics.Color)	4293329004 (0xFFE7006C)
YUV	81.3810, 13.1232, 131.2159
Hunter-Lab	42.5107, 75.3478, 7.7268

Details

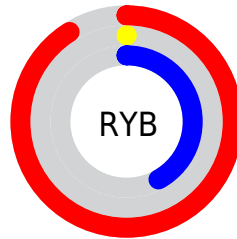
The RYB color **231, 0, 108** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **0, 151, 231**, and the grayscale version is **81, 81, 81**.

A 20% lighter version of the original color is **255, 94, 159**, and **168, 0, 61** is the 20% darker color. If you saturate the color by 10%, you get **231, 0, 108**, and if you desaturate by 10%, it is **231, 23, 120**.

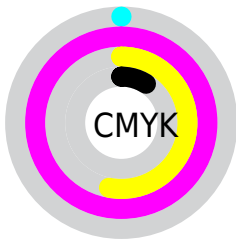
Distribution



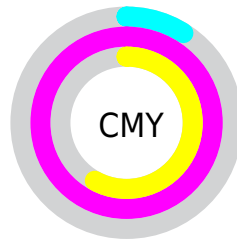
- Red (91%)
- Green (0%)
- Blue (42%)



- Red (91%)
- Yellow (0%)
- Blue (42%)



- Cyan (0%)
- Magenta (100%)
- Yellow (53%)
- Black (9%)




- Cyan (9%)
- Magenta (100%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 231, 0, 108 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, 0, 108 by changing the saturation by 10% instead.

 231, 0, 108

 231, 0, 108

255, 255, 255

 199, 0, 84

 255, 94, 159

 168, 0, 61

 255, 125, 186

 137, 0, 40

 255, 155, 213

 106, 0, 20

 255, 185, 242

 78, 0, 4


 255, 215, 255

 45, 0, 1

 255, 246, 255

 0, 0, 0

 231, 0, 108

 231, 23, 120

■ 231, 46, 133

■ 231, 69, 145

■ 231, 92, 157

■ 231, 116, 170

■ 231, 139, 182

■ 231, 162, 194

■ 231, 185, 206

■ 231, 208, 219

Harmonies

Analogous

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



205, 47, 174



231, 0, 108



221, 54, 43

Triad

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



231, 0, 108



0, 135, 78



0, 88, 240

Complementary

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



231, 0, 108



0, 151, 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, 83, 195



231, 0, 108



0, 101, 143

Square

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



231, 0, 108



13, 132, 0



0, 77, 146



0, 83, 252

Rectangle

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



231, 0, 108



199, 137, 0



0, 77, 146



0, 88, 228

Sweetspot

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



231, 0, 108



255, 179, 214



119, 0, 231



128, 82, 103



0, 0, 0



128, 128, 128

Same Dimension

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



231, 0, 108



255, 0, 119



231, 4, 0



115, 103, 109



179, 0, 83



51, 0, 24

Inverse Universe

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



231, 0, 108



255, 0, 119



0, 114, 231



115, 103, 109



179, 0, 83



51, 0, 24

Previews

White Background



This preview shows how the RYB color 231, 0, 108 looks on a white background.

Color Contrast Check

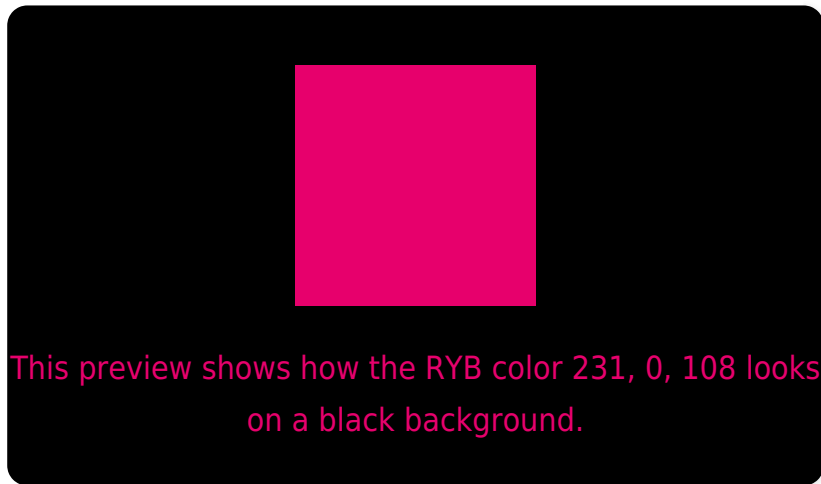
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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, 0, 108 Background



This preview shows how black text looks on a background with the RYB color 231, 0, 108.



This preview shows how white text looks on a background with the RYB color 231, 0, 108.

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



Original Color
231, 0, 108

Protanopia
109, 117, 156

Deuteranopia
139, 127, 98



Tritanopia
228, 43, 42

Trichromacy



Original Color

231, 0, 108



Protanomaly

153, 75, 139



Deuteranomaly

172, 73, 102



Tritanomaly

229, 27, 66

Monochromacy



Original Color

231, 0, 108



Achromatopsia

81, 81, 81



Achromatomaly

136, 52, 91

CSS Examples

Text

The CSS property to change the color of the text to RYB 231, 0, 108 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, 0, 108)` looks like.

```
.text, #text, p{  
    color:rgb(231, 0, 108)  
}
```

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, 0, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 0, 108) }
```

Border

The CSS property to change the border of an element to RYB 231, 0, 108 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, 0, 108) }
```

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

```
.border{ border-color:rgb(231, 0, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 0, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 0, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 0, 108);  
box-shadow:4px 4px 4px 4px rgb(231, 0,  
108) }
```

Background

The CSS property to change the background color of an element to RGB 231, 0, 108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 0, 108) }
```

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

```
.background{ background-color: rgb(231, 0,  
108) }
```

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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