

Converting Colors

`RYB(231, 12, 218)`

Have a look what the booklet for RYB(231, 12, 218) contains.

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Color

RYB(231, 12, 218)

Conversions

Conversions Part 1

Format	Color
Hex	E70CDA
RGB	231, 12, 218
RGB Percent	91%, 5%, 85%
CMY	0.0941, 0.9529, 0.1451
CMYK	0.00, 0.95, 0.06, 0.09
HSL	304°, 90%, 48%
HSV	304°, 95%, 91%
XYZ	45.7414, 22.3138, 68.2258
YIQ	100.9650, 64.3980, 110.4940

Conversions

Conversions Part 2

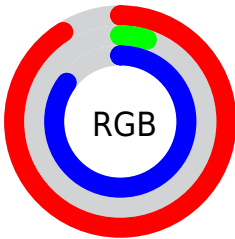
Format	Color
RYB	231, 12, 218
Decimal	15142106
CIELab	54.36, 88.56, -49.84
CIElCh	54, 101.617, 330.631
Yxy	22.3138, 0.3356, 0.1637
Android (android.graphics.Color)	4293332186 (0xFFE70CDA)
YUV	100.9650, 57.6983, 114.0407
Hunter-Lab	47.2375, 90.1807, -52.5672

Details

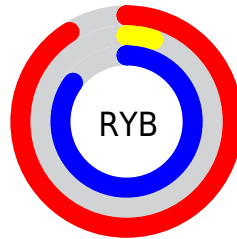
The RYB color **231, 12, 218** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **12, 219, 231**, and the grayscale version is **100, 100, 100**.

A 20% lighter version of the original color is **255, 101, 255**, and **170, 0, 162** is the 20% darker color. If you saturate the color by 10%, you get **231, 0, 217**, and if you desaturate by 10%, it is **231, 35, 219**.

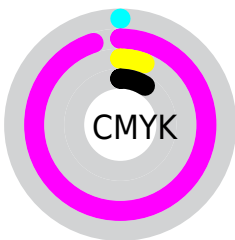
Distribution



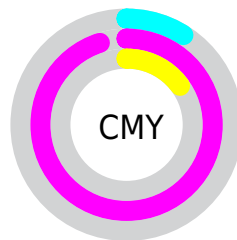
- Red (91%)
- Green (5%)
- Blue (85%)



- Red (91%)
- Yellow (5%)
- Blue (85%)



- Cyan (0%)
- Magenta (95%)
- Yellow (6%)
- Black (9%)




















- Cyan (9%)
- Magenta (95%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 231, 12, 218 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, 12, 218 by changing the saturation by 10% instead.

 231, 12, 218	 231, 12, 218
 255, 255, 255	 201, 0, 190
 255, 101, 255	 170, 0, 162
 255, 133, 255	 141, 0, 135
 255, 164, 255	 111, 0, 109
 255, 194, 255	 83, 0, 84
 255, 225, 255	 54, 0, 60
	 22, 0, 37
	 0, 1, 13
	 0, 0, 0

■ 231, 12, 218

■ 231, 12, 218

■ 231, 0, 217

■ 231, 35, 219

■ 231, 58, 221

■ 231, 81, 222

■ 231, 104, 223

■ 231, 127, 225

■ 231, 151, 226

■ 231, 174, 228

■ 231, 197, 229

■ 231, 220, 230

Harmonies

Analogous

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



105, 105, 255



231, 12, 218



255, 0, 132

Triad

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



231, 12, 218



36, 157, 0



0, 94, 218

Complementary

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



231, 12, 218



12, 219, 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, 91, 163



231, 12, 218



0, 149, 88

Square

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



231, 12, 218



223, 143, 0



0, 136, 159



0, 98, 255

Rectangle

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



231, 12, 218



255, 0, 75



0, 136, 159



0, 88, 190

Sweetspot

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



231, 12, 218



255, 184, 251



23, 12, 231



128, 84, 125



0, 0, 0



128, 128, 128

Same Dimension

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



231, 12, 218



255, 0, 240



231, 12, 111



115, 103, 114



179, 0, 168



51, 0, 48

Inverse Universe

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



231, 12, 218



255, 0, 240



12, 153, 231



115, 103, 114



179, 0, 168



51, 0, 48

Previews

White Background



This preview shows how the RYB color 231, 12, 218 looks on a white background.

Color Contrast Check

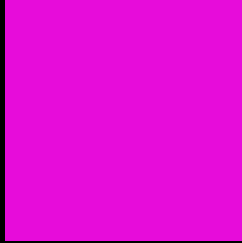
Large Text (above 18pt) WCAG AA ✓ Pass

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, 12, 218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

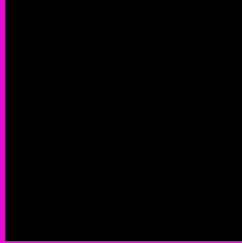
Any Text WCAG AA ✓ Pass

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, 12, 218 Background



This preview shows how black text looks on a background with the RYB color 231, 12, 218.



This preview shows how white text looks on a background with the RYB color 231, 12, 218.

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, 12, 218

Protanopia

51, 106, 255

Deuteranopia

91, 121, 205



Tritanopia
218, 86, 92

Trichromacy



Original Color

231, 12, 218



Protanomaly

116, 85, 242



Deuteranomaly

142, 88, 210



Tritanomaly

223, 59, 138

Monochromacy



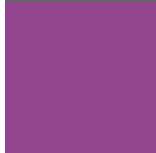
Original Color

231, 12, 218



Achromatopsia

101, 101, 101



Achromatomaly

148, 69, 144

CSS Examples

Text

The CSS property to change the color of the text to RYB 231, 12, 218 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, 12, 218)` looks like.

```
.text, #text, p{  
    color:rgb(231, 12, 218)  
}
```

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, 12, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 12, 218) }
```

Border

The CSS property to change the border of an element to RYB 231, 12, 218 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, 12, 218) }
```

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

```
.border{ border-color:rgb(231, 12, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 12, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 12, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 12, 218);  
box-shadow:4px 4px 4px 4px rgb(231, 12,  
218) }
```

Background

The CSS property to change the background color of an element to RGB 231, 12, 218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 12, 218) }
```

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

```
.background{ background-color: rgb(231, 12,  
218) }
```

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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