

Converting Colors

`RYB(227, 12, 243)`

Have a look what the booklet for
RYB(227, 12, 243) contains.

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Color

$\text{RYB}(227, 12, 243)$

Conversions

Conversions Part 1

Format	Color
Hex	E30CF3
RGB	227, 12, 243
RGB Percent	89%, 5%, 95%
CMY	0.1098, 0.9529, 0.0471
CMYK	0.07, 0.95, 0.00, 0.05
HSL	296°, 91%, 50%
HSV	296°, 95%, 95%
XYZ	47.9877, 23.0649, 86.7168
YIQ	102.6190, 53.9890, 117.4210

Conversions

Conversions Part 2

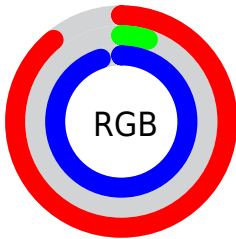
Format	Color
R _Y B	227, 12, 243
Decimal	14879987
CIE Lab	55.14, 91.50, -62.73
CIE LCh	55, 110.943, 325.567
Yxy	23.0649, 0.3042, 0.1462
Android (android.graphics.Color)	4293070067 (0xFFE30CF3)
YUV	102.6190, 69.2078, 109.0821
Hunter-Lab	48.0259, 94.3125, -73.4373

Details

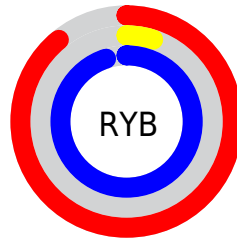
The RYB color **227, 12, 243** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **12, 243, 227**, and the grayscale version is **102, 102, 102**.

A 20% lighter version of the original color is **255, 102, 255**, and **166, 0, 186** is the 20% darker color. If you saturate the color by 10%, you get **226, 0, 243**, and if you desaturate by 10%, it is **229, 36, 243**.

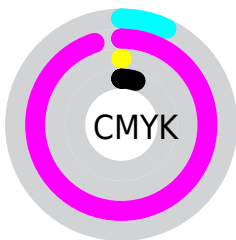
Distribution



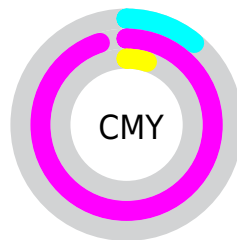
- Red (89%)
- Green (5%)
- Blue (95%)



- Red (89%)
- Yellow (5%)
- Blue (95%)



- Cyan (7%)
- Magenta (95%)
- Yellow (0%)
- Black (5%)



- Cyan (11%)
- Magenta (95%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 227, 12, 243 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 227, 12, 243 by changing the saturation by 10% instead.



227, 12, 243



227, 12, 243

255, 255, 255



196, 0, 214



255, 102, 255



166, 0, 186



255, 134, 255



136, 0, 158



255, 165, 255



107, 0, 131



255, 195, 255



77, 0, 105



255, 226, 255



48, 0, 80



11, 0, 56



0, 2, 33



0, 0, 6

■ 227, 12, 243

■ 227, 12, 243

■ 226, 0, 243

■ 229, 36, 243

■ 230, 61, 243

■ 232, 85, 243

■ 234, 109, 243

■ 235, 133, 243

■ 237, 158, 243

■ 239, 182, 243

■ 240, 206, 243

■ 242, 231, 243

Harmonies

Analogous

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



0, 79, 255



227, 12, 243



255, 0, 151

Triad

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



227, 12, 243



68, 173, 0



0, 94, 214

Complementary

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



227, 12, 243



12, 243, 227

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, 99, 167



227, 12, 243



0, 150, 74

Square

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



227, 12, 243



242, 98, 0



0, 162, 162



0, 101, 255

Rectangle

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



227, 12, 243



255, 0, 88



0, 162, 162



0, 87, 182

Sweetspot

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



227, 12, 243



250, 181, 255



12, 30, 243



124, 83, 128



0, 0, 0



128, 128, 128

Same Dimension

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



227, 12, 243



237, 0, 255



243, 12, 147



122, 110, 122



173, 0, 186



55, 0, 59

Inverse Universe

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



243, 12, 28



255, 0, 18



12, 175, 243



122, 110, 111



186, 0, 13



59, 0, 4

Previews

White Background



This preview shows how the RYB color 227, 12, 243 looks on a white background.

Color Contrast Check

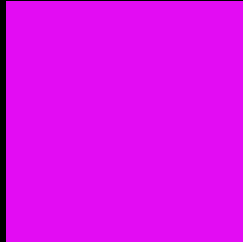
Large Text (above 18pt) WCAG AA ✓ Pass

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 227, 12, 243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

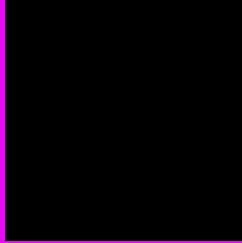
Any Text WCAG AA ✓ Pass

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](#).

RGB 227, 12, 243 Background



This preview shows how black text looks on a background with the RGB color 227, 12, 243.



This preview shows how white text looks on a background with the RGB color 227, 12, 243.

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
227, 12, 243

Protanopia
57, 110, 255

Deuteranopia
59, 111, 229



Tritanopia
210, 96, 102

Trichromacy



Original Color

227, 12, 243



Protanomaly

119, 86, 251



Deuteranomaly

120, 90, 234



Tritanomaly

216, 65, 153

Monochromacy



Original Color

227, 12, 243



Achromatopsia

103, 103, 103



Achromatomaly

148, 70, 154

CSS Examples

Text

The CSS property to change the color of the text to RYB 227, 12, 243 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(227, 12, 243)` looks like.

```
.text, #text, p{  
    color:rgb(227, 12, 243)  
}
```

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(227, 12, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 12, 243) }
```

Border

The CSS property to change the border of an element to RYB 227, 12, 243 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(227, 12, 243) }
```

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

```
.border{ border-color:rgb(227, 12, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 12, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 12, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 12, 243);  
box-shadow:4px 4px 4px 4px rgb(227, 12,  
243) }
```

Background

The CSS property to change the background color of an element to RGB 227, 12, 243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 12, 243) }
```

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

```
.background{ background-color: rgb(227, 12,  
243) }
```

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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