

Converting Colors

`RYB(235, 12, 72)`

Have a look what the booklet for
RYB(235, 12, 72) contains.

RYB(235, 12, 72)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

$\text{RYB}(235, 12, 72)$

Conversions

Conversions Part 1

Format	Color
Hex	EB0C48
RGB	235, 12, 72
RGB Percent	92%, 5%, 28%
CMY	0.0784, 0.9529, 0.7176
CMYK	0.00, 0.95, 0.69, 0.08
HSL	344°, 90%, 48%
HSV	344°, 95%, 92%
XYZ	35.5621, 18.3930, 7.8068
YIQ	85.5170, 113.6480, 65.9360

Conversions

Conversions Part 2

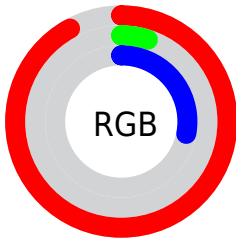
Format	Color
RYB	235, 12, 72
Decimal	15404104
CIELab	49.97, 75.94, 30.65
CIElCh	50, 81.893, 21.981
Yxy	18.3930, 0.5758, 0.2978
Android (android.graphics.Color)	4293594184 (0xFFEB0C48)
YUV	85.5170, -6.6639, 131.0966
Hunter-Lab	42.8871, 72.9606, 19.2283

Details

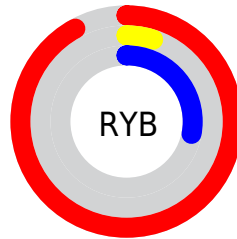
The RYB color **235, 12, 72** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **12, 141, 235**, and the grayscale version is **86, 86, 86**.

A 20% lighter version of the original color is **255, 96, 120**, and **170, 0, 29** is the 20% darker color. If you saturate the color by 10%, you get **235, 0, 63**, and if you desaturate by 10%, it is **235, 35, 89**.

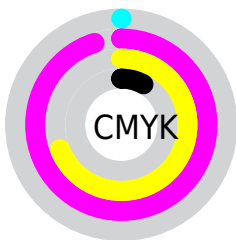
Distribution



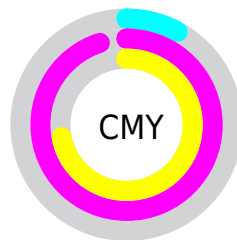
- Red (92%)
- Green (5%)
- Blue (28%)



- Red (92%)
- Yellow (5%)
- Blue (28%)



- Cyan (0%)
- Magenta (95%)
- Yellow (69%)
- Black (8%)



- Cyan (8%)
- Magenta (95%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the RYB color 235, 12, 72 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 235, 12, 72 by changing the saturation by 10% instead.



235, 12, 72



235, 12, 72

255, 255, 255



203, 0, 50



255, 96, 120



170, 0, 29



255, 127, 146



139, 0, 6



255, 157, 172



107, 0, 2



255, 187, 200



77, 0, 4



255, 217, 228



45, 0, 1



255, 247, 255



0, 0, 0



235, 12, 72



235, 12, 72




235, 0, 63





235, 35, 89

 235, 59, 106

 235, 82, 124

 235, 106, 141

 235, 130, 158

 235, 153, 175

 235, 177, 192

 235, 200, 209

 235, 223, 227

Harmonies

Analogous

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



229, 0, 141



235, 12, 72



208, 115, 0

Triad

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



235, 12, 72



0, 131, 141



0, 88, 255

Complementary

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



235, 12, 72



12, 141, 235

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, 89, 229



235, 12, 72



0, 88, 146

Square

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



235, 12, 72



0, 130, 34



0, 79, 170



43, 93, 250

Rectangle

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



235, 12, 72



139, 178, 0



0, 79, 170



0, 90, 253

Sweetspot

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



235, 12, 72



255, 184, 203



172, 12, 235



128, 84, 96



0, 0, 0



128, 128, 128

Same Dimension

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



235, 12, 72



255, 0, 69



235, 73, 12



117, 106, 109



181, 0, 49



54, 0, 14

Inverse Universe

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



235, 12, 72



255, 0, 69



12, 110, 235



117, 106, 109



181, 0, 49



54, 0, 14

Previews

White Background



This preview shows how the RYB color 235, 12, 72 looks on a white background.

Color Contrast Check

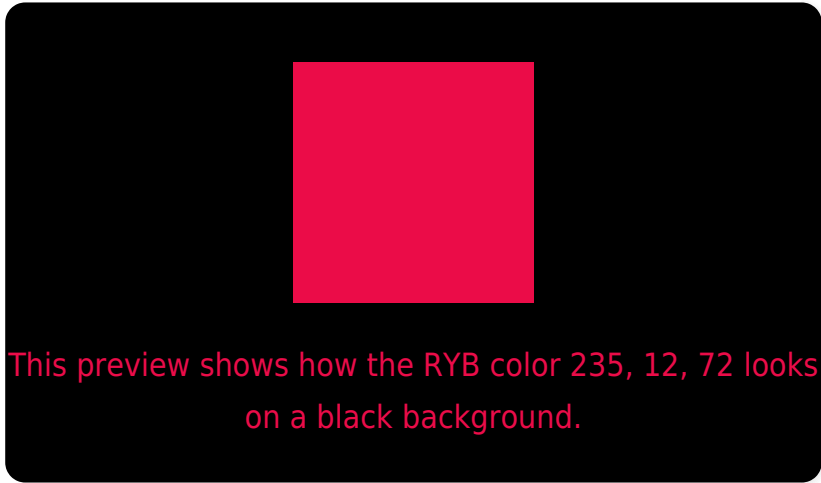
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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](#).

R Y B 235, 12, 72 Background



This preview shows how black text looks on a background with the R Y B color 235, 12, 72.

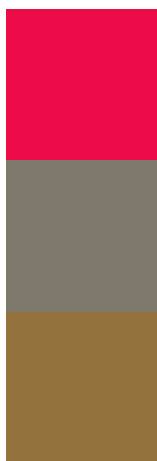


This preview shows how white text looks on a background with the R Y B color 235, 12, 72.

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

235, 12, 72

Protanopia

113, 125, 106

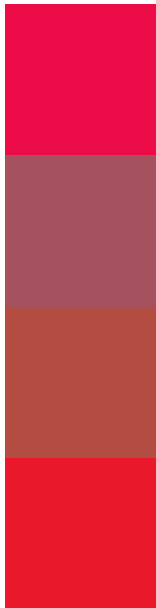
Deuteranopia

117, 148, 61



Tritanopia
234, 31, 26

Trichromacy



Original Color

235, 12, 72

Protanomaly

165, 81, 94

Deuteranomaly

180, 78, 65

Tritanomaly

234, 24, 43

Monochromacy



Original Color

235, 12, 72

Achromatopsia

86, 86, 86

Achromatomaly

140, 59, 81

CSS Examples

Text

The CSS property to change the color of the text to RYB 235, 12, 72 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(235, 12, 72)` looks like.

```
.text, #text, p{  
    color:rgb(235, 12, 72)  
}
```

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(235, 12, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 12, 72) }
```

Border

The CSS property to change the border of an element to RYB 235, 12, 72 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(235, 12, 72) }
```

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

```
.border{ border-color:rgb(235, 12, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 12, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 12, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 12, 72);  
box-shadow:4px 4px 4px 4px rgb(235, 12,  
72) }
```

Background

The CSS property to change the background color of an element to RGB 235, 12, 72 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 12, 72) }
```

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

```
.background{ background-color: rgb(235, 12,  
72) }
```

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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