

Converting Colors

`RYB(233, 0, 104)`

Have a look what the booklet for
RYB(233, 0, 104) contains.

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Color

R_YB(233, 0, 104)

Conversions

Conversions Part 1

Format	Color
Hex	E90068
RGB	233, 0, 104
RGB Percent	91%, 0%, 41%
CMY	0.0863, 1.0000, 0.5922
CMYK	0.00, 1.00, 0.55, 0.09
HSL	333°, 100%, 46%
HSV	333°, 100%, 91%
XYZ	36.1030, 18.3231, 14.7306
YIQ	81.5230, 105.4840, 81.7400

Conversions

Conversions Part 2

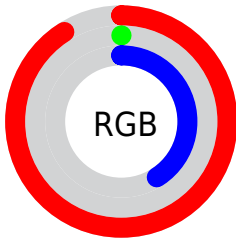
Format	Color
R_{YB}	233, 0, 104
Decimal	15269992
CIE Lab	49.89, 78.12, 10.92
CIE LCh	50, 78.878, 7.961
Yxy	18.3231, 0.5220, 0.2650
Android (android.graphics.Color)	4293460072 (0xFFE90068)
YUV	81.5230, 11.0812, 132.8453
Hunter-Lab	42.8055, 75.6406, 9.5605

Details

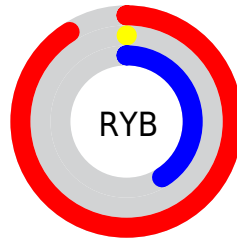
The RYB color **233, 0, 104** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **0, 150, 233**, and the grayscale version is **81, 81, 81**.

A 20% lighter version of the original color is **255, 94, 155**, and **170, 0, 58** is the 20% darker color. If you saturate the color by 10%, you get **233, 0, 104**, and if you desaturate by 10%, it is **233, 23, 117**.

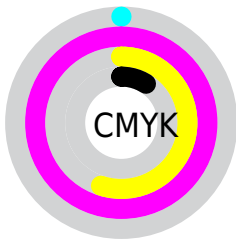
Distribution



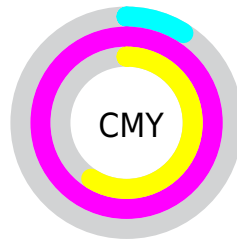
- Red (91%)
- Green (0%)
- Blue (41%)



- Red (91%)
- Yellow (0%)
- Blue (41%)



- Cyan (0%)
- Magenta (100%)
- Yellow (55%)
- Black (9%)



- Cyan (9%)
- Magenta (100%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the RYB color 233, 0, 104 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 233, 0, 104 by changing the saturation by 10% instead.

 233, 0, 104

 233, 0, 104

255, 255, 255

 201, 0, 80

 255, 94, 155

 170, 0, 58

 255, 125, 181

 139, 0, 37

 255, 155, 209

 108, 0, 16

 255, 186, 237

 79, 0, 4

 255, 216, 255

 46, 0, 2

 255, 246, 255

 0, 0, 0

 233, 0, 104

 233, 23, 117

■ 233, 47, 130

■ 233, 70, 143

■ 233, 93, 156

■ 233, 117, 169

■ 233, 140, 181

■ 233, 163, 194

■ 233, 186, 207

■ 233, 210, 220

Harmonies

Analogous

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



210, 44, 170



233, 0, 104



221, 58, 39

Triad

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



233, 0, 104



0, 137, 88



0, 89, 244

Complementary

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



233, 0, 104



0, 150, 233

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, 84, 200



233, 0, 104



0, 100, 144

Square

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



233, 0, 104



6, 128, 0



0, 77, 147



0, 82, 254

Rectangle

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



233, 0, 104



198, 146, 0



0, 77, 147



0, 88, 233

Sweetspot

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



233, 0, 104



255, 179, 213



128, 0, 233



128, 82, 102



0, 0, 0



128, 128, 128

Same Dimension

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



233, 0, 104



255, 0, 114



233, 13, 0



117, 106, 111



181, 0, 81



54, 0, 24

Inverse Universe

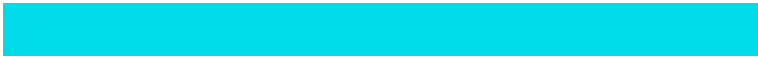
The Inverse Universe completely reimagines the original color for something new.



233, 0, 104



255, 0, 114



0, 113, 233



117, 106, 111



181, 0, 81



54, 0, 24

Previews

White Background



This preview shows how the RYB color 233, 0, 104 looks on a white background.

Color Contrast Check

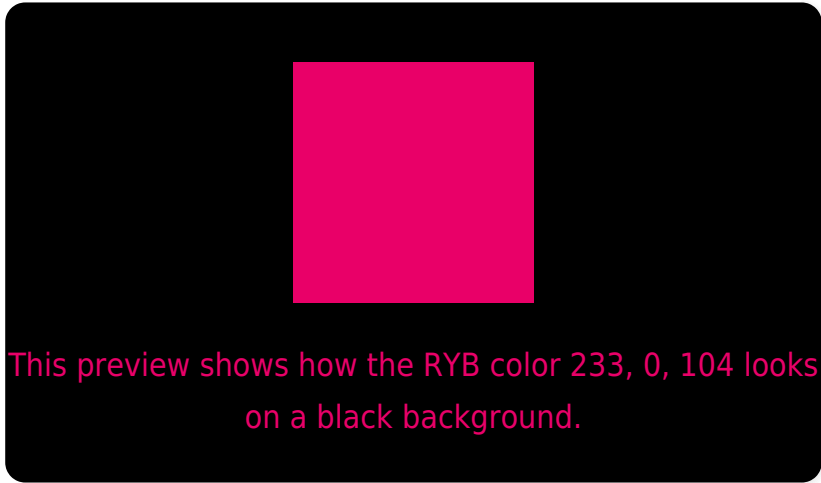
Large Text (above 18pt) WCAG AA ✓ Pass

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 233, 0, 104 Background



This preview shows how black text looks on a background with the RYB color 233, 0, 104.



This preview shows how white text looks on a background with the RYB color 233, 0, 104.

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
230, 41, 40

Trichromacy



Original Color

233, 0, 104



Protanomaly

157, 76, 134



Deuteranomaly

174, 74, 98



Tritanomaly

231, 26, 63

Monochromacy



Original Color

233, 0, 104



Achromatopsia

82, 82, 82



Achromatomaly

137, 52, 90

CSS Examples

Text

The CSS property to change the color of the text to RYB 233, 0, 104 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(233, 0, 104)` looks like.

```
.text, #text, p{  
    color:rgb(233, 0, 104)  
}
```

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(233, 0, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 0, 104) }
```

Border

The CSS property to change the border of an element to RYB 233, 0, 104 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(233, 0, 104) }
```

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

```
.border{ border-color:rgb(233, 0, 104) }
```

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

Here you see how a box with a 4 pixel rgb(233, 0, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 0, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 0, 104);  
box-shadow:4px 4px 4px 4px rgb(233, 0,  
104) }
```

Background

The CSS property to change the background color of an element to RGB 233, 0, 104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 0, 104) }
```

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

```
.background{ background-color: rgb(233, 0,  
104) }
```

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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