

Converting Colors

`RYB(233, 81, 100)`

Have a look what the booklet for
RYB(233, 81, 100) contains.

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Color

R_YB(233, 81, 100)

Conversions

Conversions Part 1

Format	Color
Hex	E95164
RGB	233, 81, 100
RGB Percent	91%, 32%, 39%
CMY	0.0863, 0.6824, 0.6078
CMYK	0.00, 0.65, 0.57, 0.09
HSL	352°, 78%, 62%
HSV	352°, 65%, 91%
XYZ	38.8470, 24.1286, 14.6664
YIQ	128.6140, 84.4930, 38.1330

Conversions

Conversions Part 2

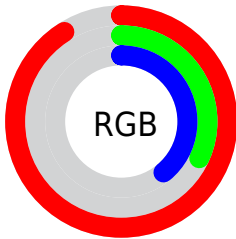
Format	Color
R_{YB}	233, 81, 100
Decimal	15290724
CIE _{Lab}	56.22, 59.78, 21.99
CIE _{LCh}	56, 63.697, 20.194
Yxy	24.1286, 0.5003, 0.3108
Android (android.graphics.Color)	4293480804 (0xFFE95164)
YUV	128.6140, -14.1067, 91.5465
Hunter-Lab	49.1209, 55.2042, 16.6819

Details

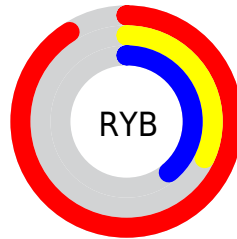
The RYB color **233, 81, 100** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted rose. A complement of this color would be **81, 162, 233**, and the grayscale version is **129, 129, 129**.

A 20% lighter version of the original color is **255, 138, 151**, and **171, 9, 54** is the 20% darker color. If you saturate the color by 10%, you get **233, 58, 80**, and if you desaturate by 10%, it is **233, 104, 120**.

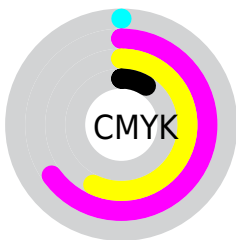
Distribution



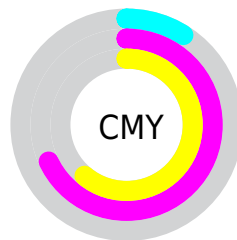
- Red (91%)
- Green (32%)
- Blue (39%)



- Red (91%)
- Yellow (32%)
- Blue (39%)



- Cyan (0%)
- Magenta (65%)
- Yellow (57%)
- Black (9%)




- Cyan (9%)
- Magenta (68%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the RYB color 233, 81, 100 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, 81, 100 by changing the saturation by 10% instead.

 233, 81, 100

 233, 81, 100

255, 255, 255

 202, 51, 76

 255, 138, 151

 171, 9, 54

 255, 166, 177

 141, 0, 33

 255, 195, 205


 111, 0, 11

 255, 224, 233

 81, 0, 1

255, 254, 255

 53, 0, 2

 1, 0, 0

 0, 0, 0

 233, 81, 100

 233, 81, 100

■ 233, 58, 80

■ 233, 104, 120

■ 233, 34, 59

■ 233, 128, 141

■ 233, 11, 39

■ 233, 151, 161

■ 233, 0, 29

■ 233, 174, 182

■ 233, 197, 202

■ 233, 221, 222

■ 233, 239, 244

■ 233, 244, 255

Harmonies

Analogous

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



225, 80, 155



233, 81, 100



214, 126, 50

Triad

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



233, 81, 100



52, 148, 154



0, 92, 244

Complementary

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



233, 81, 100



81, 162, 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, 91, 219



233, 81, 100



0, 93, 159

Square

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



233, 81, 100



0, 143, 17



0, 83, 171



96, 122, 239

Rectangle

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



233, 81, 100



141, 191, 16



0, 83, 171



0, 93, 239

Sweetspot

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



233, 81, 100



255, 204, 210



213, 81, 233



128, 97, 101



0, 0, 0



128, 128, 128

Same Dimension

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



233, 81, 100



255, 56, 81



233, 170, 81



117, 106, 107



181, 0, 23



54, 0, 7

Inverse Universe

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



233, 81, 100



255, 56, 81



81, 140, 233



117, 106, 107



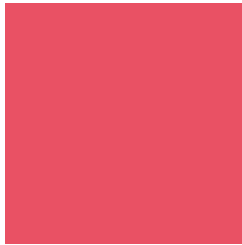
181, 0, 23



54, 0, 7

Previews

White Background



This preview shows how the RYB color 233, 81, 100 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 233, 81, 100 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 233, 81, 100 Background



This preview shows how black text looks on a background with the RYB color 233, 81, 100.



This preview shows how white text looks on a background with the RYB color 233, 81, 100.

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
233, 81, 100

Protanopia
133, 140, 125

Deuteranopia
156, 162, 93



Tritanopia
232, 83, 88

Trichromacy



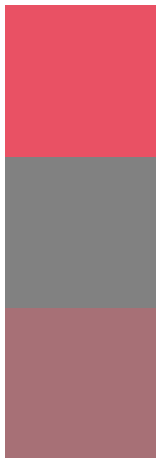
Original Color
233, 81, 100

Protanomaly
174, 115, 116

Deuteranomaly
188, 115, 96

Tritanomaly
232, 82, 92

Monochromacy



Original Color
233, 81, 100

Achromatopsia
129, 129, 129

Achromatomaly
167, 112, 118

CSS Examples

Text

The CSS property to change the color of the text to RYB 233, 81, 100 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, 81, 100)` looks like.

```
.text, #text, p{  
    color:rgb(233, 81, 100)  
}
```

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, 81, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 81, 100) }
```

Border

The CSS property to change the border of an element to RYB 233, 81, 100 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, 81, 100) }
```

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

```
.border{ border-color:rgb(233, 81, 100) }
```

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

Here you see how a box with a 4 pixel rgb(233, 81, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 81, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 81, 100);  
box-shadow:4px 4px 4px 4px rgb(233, 81,  
100) }
```

Background

The CSS property to change the background color of an element to RGB 233, 81, 100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 81, 100) }
```

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

```
.background{ background-color: rgb(233, 81,  
100) }
```

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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