

Converting Colors

`RYB(228, 62, 241)`

Have a look what the booklet for RYB(228, 62, 241) contains.

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Color

R_YB(228, 62, 241)

Conversions

Conversions Part 1

Format	Color
Hex	E43EF1
RGB	228, 62, 241
RGB Percent	89%, 24%, 95%
CMY	0.1059, 0.7569, 0.0549
CMYK	0.05, 0.74, 0.00, 0.05
HSL	296°, 86%, 59%
HSV	296°, 74%, 95%
XYZ	49.5947, 26.2901, 85.6797
YIQ	132.0400, 41.4770, 90.8610

Conversions

Conversions Part 2

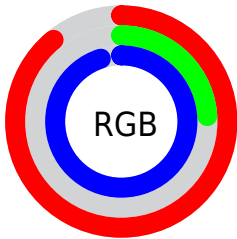
Format	Color
R _Y B	228, 62, 241
Decimal	14958321
CIE Lab	58.31, 82.23, -56.52
CIE LCh	58, 99.779, 325.496
Yxy	26.2901, 0.3070, 0.1627
Android (android.graphics.Color)	4293148401 (0xFFE43EF1)
YUV	132.0400, 53.7173, 84.1569
Hunter-Lab	51.2739, 82.9251, -63.1830

Details

The RYB color **228, 62, 241** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **62, 241, 228**, and the grayscale version is **131, 131, 131**.

A 20% lighter version of the original color is **255, 126, 255**, and **168, 0, 184** is the 20% darker color. If you saturate the color by 10%, you get **226, 38, 241**, and if you desaturate by 10%, it is **230, 86, 241**.

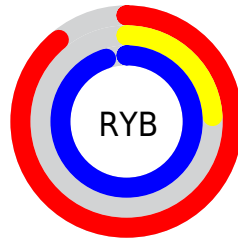
Distribution



Red (89%)

Green (24%)

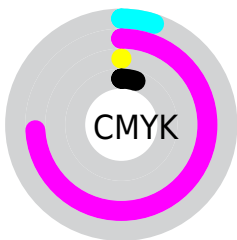
Blue (95%)



Red (89%)

Yellow (24%)

Blue (95%)

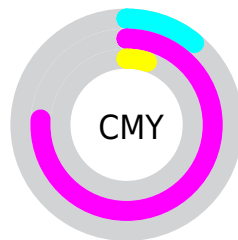


Cyan (5%)

Magenta (74%)

Yellow (0%)

Black (5%)



Cyan (11%)

Magenta (76%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 228, 62, 241 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 228, 62, 241 by changing the saturation by 10% instead.



228, 62, 241



228, 62, 241

255, 255, 255



198, 13, 212



255, 126, 255



168, 0, 184



255, 156, 255



139, 0, 157



255, 185, 255



110, 0, 130



255, 215, 255



81, 0, 104



255, 246, 255



54, 0, 79



21, 0, 55



0, 2, 32



0, 0, 5

■ 228, 62, 241

■ 228, 62, 241

■ 226, 38, 241

■ 230, 86, 241

■ 224, 14, 241

■ 232, 110, 241

■ 223, 0, 241

■ 233, 134, 241

■ 235, 158, 241

■ 237, 183, 241

■ 239, 207, 241

■ 240, 231, 241

■ 241, 255, 254

■ 241, 255, 252

Harmonies

Analogous

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



76, 113, 255



228, 62, 241



255, 0, 157

Triad

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



228, 62, 241



67, 182, 0



0, 97, 214

Complementary

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



228, 62, 241



62, 241, 228

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, 102, 174



228, 62, 241



0, 157, 61

Square

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



228, 62, 241



244, 140, 0



0, 155, 169



0, 103, 255

Rectangle

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



228, 62, 241



255, 0, 100



0, 155, 169



0, 90, 185

Sweetspot

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



228, 62, 241



251, 199, 255



62, 76, 241



125, 94, 128



0, 0, 0



128, 128, 128

Same Dimension

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



228, 62, 241



239, 28, 255



241, 62, 166



119, 108, 120



170, 0, 184



52, 0, 56

Inverse Universe

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



241, 62, 75



255, 28, 45



62, 188, 241



120, 108, 109



184, 0, 13



56, 0, 4

Previews

White Background



This preview shows how the RYB color 228, 62, 241 looks on a white background.

Color Contrast Check

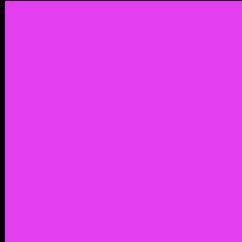
Large Text (above 18pt) WCAG AA ✓ Pass

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 228, 62, 241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

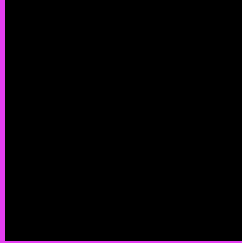
Any Text WCAG AA ✓ Pass

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 228, 62, 241 Background



This preview shows how black text looks on a background with the RYB color 228, 62, 241.



This preview shows how white text looks on a background with the RYB color 228, 62, 241.

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
228, 62, 241

Protanopia
80, 123, 255

Deuteranopia
86, 126, 229



Tritanopia
213, 108, 115

Trichromacy



Original Color

228, 62, 241



Protanomaly

134, 110, 250



Deuteranomaly

138, 112, 233



Tritanomaly

218, 91, 161

Monochromacy



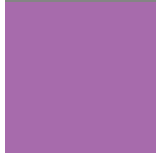
Original Color

228, 62, 241



Achromatopsia

132, 132, 132



Achromatomaly

167, 107, 172

CSS Examples

Text

The CSS property to change the color of the text to RYB 228, 62, 241 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(228, 62, 241)` looks like.

```
.text, #text, p{  
    color:rgb(228, 62, 241)  
}
```

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(228, 62, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 62, 241) }
```

Border

The CSS property to change the border of an element to RYB 228, 62, 241 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(228, 62, 241) }
```

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

```
.border{ border-color:rgb(228, 62, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 62, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 62, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 62, 241);  
box-shadow:4px 4px 4px 4px rgb(228, 62,  
241) }
```

Background

The CSS property to change the background color of an element to RGB 228, 62, 241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 62, 241) }
```

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

```
.background{ background-color: rgb(228, 62,  
241) }
```

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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