

Converting Colors

`RYB(227, 72, 152)`

Have a look what the booklet for
RYB(227, 72, 152) contains.

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Color

R_YB(227, 72, 152)

Conversions

Conversions Part 1

Format	Color
Hex	E34898
RGB	227, 72, 152
RGB Percent	89%, 28%, 60%
CMY	0.1098, 0.7176, 0.4039
CMYK	0.00, 0.68, 0.33, 0.11
HSL	329°, 73%, 59%
HSV	329°, 68%, 89%
XYZ	39.6634, 23.2326, 32.0996
YIQ	127.4650, 66.7000, 57.7400

Conversions

Conversions Part 2

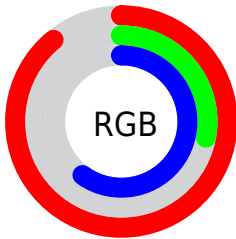
Format	Color
R_{YB}	227, 72, 152
Decimal	14895256
CIE _{Lab}	55.31, 66.26, -10.16
CIE _{LCh}	55, 67.039, 351.283
Yxy	23.2326, 0.4175, 0.2446
Android (android.graphics.Color)	4293085336 (0xFFE34898)
YUV	127.4650, 12.0958, 87.2922
Hunter-Lab	48.2002, 62.5352, -5.7448

Details

The RYB color **227, 72, 152** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **72, 176, 227**, and the grayscale version is **127, 127, 127**.

A 20% lighter version of the original color is **255, 131, 206**, and **167, 0, 101** is the 20% darker color. If you saturate the color by 10%, you get **227, 49, 141**, and if you desaturate by 10%, it is **227, 95, 163**.

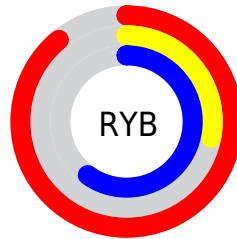
Distribution



Red (89%)

Green (28%)

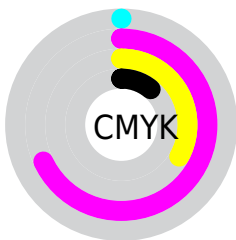
Blue (60%)



Red (89%)

Yellow (28%)

Blue (60%)

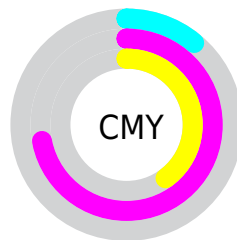


Cyan (0%)

Magenta (68%)

Yellow (33%)

Black (11%)



Cyan (11%)

Magenta (72%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the RYB color 227, 72, 152 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, 72, 152 by changing the saturation by 10% instead.

 227, 72, 152

 227, 72, 152

255, 255, 255

 197, 38, 126

 255, 131, 206

 167, 0, 101


 255, 159, 234

 138, 0, 77

 255, 188, 255

 109, 0, 54

 255, 218, 255

 81, 0, 33

 255, 247, 255

 54, 0, 7

 8, 0, 0

 0, 0, 0

 227, 72, 152

 227, 72, 152

■ 227, 49, 141

■ 227, 95, 163

■ 227, 27, 130

■ 227, 117, 174

■ 227, 4, 119

■ 227, 140, 185

■ 227, 0, 117

■ 227, 163, 196

■ 227, 186, 207

■ 227, 208, 218

■ 227, 230, 231

■ 227, 245, 254

■ 227, 242, 255

Harmonies

Analogous

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



185, 97, 206



227, 72, 152



234, 74, 94

Triad

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



227, 72, 152



0, 142, 22



0, 91, 223

Complementary

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



227, 72, 152



72, 176, 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, 83, 173



227, 72, 152



34, 137, 153

Square

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



227, 72, 152



68, 173, 0



0, 92, 158



0, 91, 248

Rectangle

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



227, 72, 152



223, 98, 58



0, 92, 158



0, 89, 208

Sweetspot

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



227, 72, 152



255, 204, 230



147, 72, 227



128, 97, 113



0, 0, 0



128, 128, 128

Same Dimension

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



227, 72, 152



255, 46, 154



227, 72, 75



115, 103, 109



179, 0, 92



51, 0, 26

Inverse Universe

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



227, 72, 152



255, 46, 154



72, 150, 227



115, 103, 109



179, 0, 92



51, 0, 26

Previews

White Background



This preview shows how the RYB color 227, 72, 152 looks on a white background.

Color Contrast Check

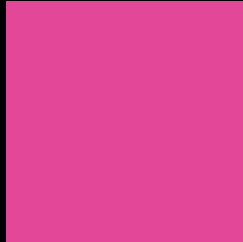
Large Text (above 18pt) WCAG AA ✓ Pass

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, 72, 152 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 227, 72, 152 Background



This preview shows how black text looks on a background with the RYB color 227, 72, 152.



This preview shows how white text looks on a background with the RYB color 227, 72, 152.

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, 72, 152

Protanopia
113, 128, 192

Deuteranopia
141, 129, 144



Tritanopia
223, 87, 92

Trichromacy



Original Color

227, 72, 152



Protanomaly

154, 110, 177



Deuteranomaly

172, 108, 147



Tritanomaly

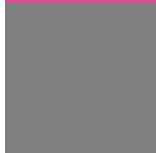
224, 82, 114

Monochromacy



Original Color

227, 72, 152



Achromatopsia

127, 127, 127



Achromatomaly

163, 107, 136

CSS Examples

Text

The CSS property to change the color of the text to RYB 227, 72, 152 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, 72, 152)` looks like.

```
.text, #text, p{  
    color:rgb(227, 72, 152)  
}
```

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, 72, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 72, 152) }
```

Border

The CSS property to change the border of an element to RYB 227, 72, 152 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, 72, 152) }
```

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

```
.border{ border-color:rgb(227, 72, 152) }
```

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

Here you see how a box with a 4 pixel rgb(227, 72, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 72, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 72, 152);  
box-shadow:4px 4px 4px 4px rgb(227, 72,  
152) }
```

Background

The CSS property to change the background color of an element to RGB 227, 72, 152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 72, 152) }
```

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

```
.background{ background-color: rgb(227, 72,  
152) }
```

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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