

Converting Colors

RGB(227, 29, 102)

Have a look what the booklet for
RGB(227, 29, 102) contains.

RGB(227, 29, 102)	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

RGB(227, 29, 102)

Conversions

Conversions Part 1

Format	Color
Hex	E31D66
RGB	227, 29, 102
RGB Percent	89%, 11%, 40%
CMY	0.1098, 0.8863, 0.6000
CMYK	0.00, 0.87, 0.55, 0.11
HSL	338°, 78%, 50%
HSV	338°, 87%, 89%
XYZ	34.5162, 18.1689, 14.2581
YIQ	96.5240, 94.5750, 64.6790

Conversions

Conversions Part 2

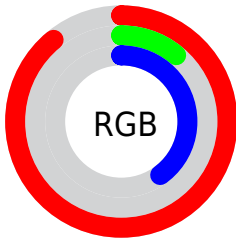
Format	Color
R_{YB}	227, 29, 102
Decimal	14884198
CIE _{Lab}	49.70, 73.53, 11.71
CIE _{LCh}	50, 74.459, 9.052
Yxy	18.1689, 0.5156, 0.2714
Android (android.graphics.Color)	4293074278 (0xFFE31D66)
YUV	96.5240, 2.6997, 114.4275
Hunter-Lab	42.6250, 69.9490, 10.0049

Details

The RGB color **227, 29, 102** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **29, 227, 154**, and the grayscale version is **96, 96, 96**.

A 20% lighter version of the original color is **255, 101, 153**, and **164, 0, 56** is the 20% darker color. If you saturate the color by 10%, you get **227, 6, 88**, and if you desaturate by 10%, it is **227, 52, 116**.

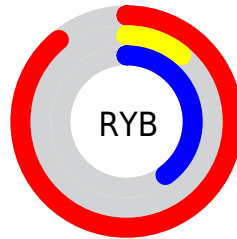
Distribution



Red (89%)

Green (11%)

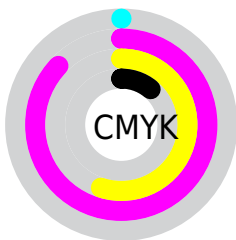
Blue (40%)



Red (89%)

Yellow (11%)

Blue (40%)

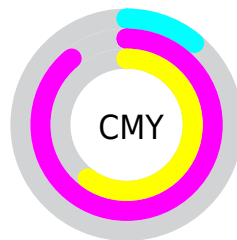


Cyan (0%)

Magenta (87%)

Yellow (55%)

Black (11%)



Cyan (11%)

Magenta (89%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RGB color 227, 29, 102 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 RGB color 227, 29, 102 by changing the saturation by 10% instead.



227, 29, 102



227, 29, 102

255, 255, 255



196, 0, 78



255, 101, 153



164, 0, 56



255, 131, 179



134, 0, 35



255, 161, 207



103, 0, 13



255, 191, 235



74, 0, 4



255, 220, 255



42, 0, 1



255, 251, 255



0, 0, 0



227, 29, 102



227, 29, 102



227, 6, 88



227, 52, 116

■ 227, 0, 84

■ 227, 74, 131

■ 227, 97, 145

■ 227, 120, 159

■ 227, 143, 174

■ 227, 165, 188

■ 227, 188, 202

■ 227, 211, 217

■ 227, 233, 231

Harmonies

Analogous

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



206, 51, 165



227, 29, 102



215, 63, 41

Triad

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



227, 29, 102



52, 136, 0



0, 137, 237

Complementary

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



227, 29, 102



29, 227, 154

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, 144, 197



227, 29, 102



0, 143, 70

Square

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



227, 29, 102



126, 122, 0



0, 145, 136



0, 120, 245

Rectangle

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



227, 29, 102



193, 88, 0



0, 145, 136



0, 140, 227

Sweetspot

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



227, 29, 102



255, 189, 213



151, 29, 227



128, 88, 103



0, 0, 0



128, 128, 128

Same Dimension

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



227, 29, 102



255, 0, 94



227, 52, 29



115, 103, 108



179, 0, 66



51, 0, 19

Inverse Universe

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



227, 29, 102



255, 0, 94



29, 204, 227



115, 103, 108



179, 0, 66



51, 0, 19

Previews

White Background



This preview shows how the RGB color 227, 29, 102 looks on a white background.

Color Contrast Check

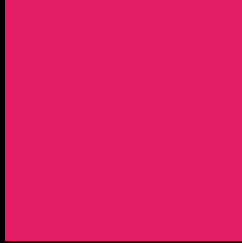
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 227, 29, 102 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](#).

RGB 227, 29, 102 Background



This preview shows how black text looks on a background with the RGB color 227, 29, 102.



This preview shows how white text looks on a background with the RGB color 227, 29, 102.

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, 29, 102

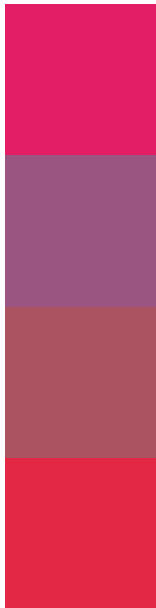
Protanopia
113, 118, 145

Deuteranopia
139, 114, 93



Tritanopia
225, 47, 48

Trichromacy



Original Color

227, 29, 102

Protanomaly

154, 86, 129

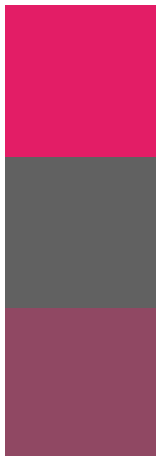
Deuteranomaly

171, 83, 96

Tritanomaly

226, 40, 68

Monochromacy



Original Color

227, 29, 102

Achromatopsia

97, 97, 97

Achromatomaly

144, 72, 99

CSS Examples

Text

The CSS property to change the color of the text to RGB 227, 29, 102 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, 29, 102)` looks like.

```
.text, #text, p{  
    color:rgb(227, 29, 102)  
}
```

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, 29, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 29, 102) }
```

Border

The CSS property to change the border of an element to RGB 227, 29, 102 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, 29, 102) }
```

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

```
.border{ border-color:rgb(227, 29, 102) }
```

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

Here you see how a box with a 4 pixel rgb(227, 29, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 29, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 29, 102);  
box-shadow:4px 4px 4px 4px rgb(227, 29,  
102) }
```

Background

The CSS property to change the background color of an element to RGB 227, 29, 102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 29, 102) }
```

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

```
.background{ background-color: rgb(227, 29,  
102) }
```

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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