Converting Colors

RGB(228, 23, 228)

Have a look what the booklet for RGB(228, 23, 228) contains.

Color

RGB(228, 23, 228)

Conversions

Conversions Part 1

Format	Color
Hex	E417E4
RGB	228, 23, 228
RGB Percent	89%, 9%, 89%
CMY	0.1059, 0.9098, 0.1059
CMYK	0.00, 0.90, 0.00, 0.11
HSL	300°, 82%, 49%
HSV	300°, 90%, 89%
XYZ	46.3049, 22.7082, 75.3414
YIQ	107.6650, 56.3750, 107.2150

Conversions

Conversions Part 2

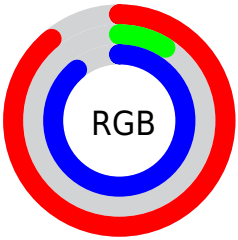
Format	Color
RYB	228, 23, 228
Decimal	14948324
CIELab	54.77, 88.38, -54.88
CIELCh	55, 104.035, 328.163
Yxy	22.7082, 0.3208, 0.1573
Android (android.graphics.Color)	4293138404 (0xFFE417E4)
YUV	107.6650, 59.3252, 105.5338
Hunter-Lab	47.6531, 90.0568, -60.3825

Details

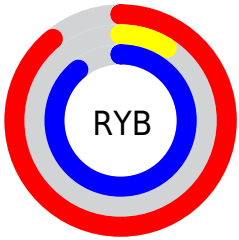
The RGB color 228, 23, 228 is a light color, and the websafe version is hex CC00CC. The color can be described as light washed magenta. A complement of this color would be 23, 228, 23, and the grayscale version is 107, 107, 107.

A 20% lighter version of the original color is 255, 104, 255, and 168, 0, 172 is the 20% darker color. If you saturate the color by 10%, you get 228, 0, 228, and if you desaturate by 10%, it is 228, 46, 228.

Distribution

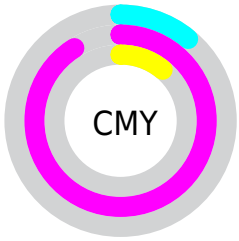


- Red (89%)
- Green (9%)
- Blue (89%)



- Red (89%)
- Yellow (9%)
- Blue (89%)

- Cyan (0%)
- Magenta (90%)
- Yellow (0%)
- Black (11%)



- Cyan (11%)
- Magenta (91%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RGB color 228, 23, 228 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 228, 23, 228 by changing the saturation by 10% instead.

228, 23, 228

255, 255, 255

255, 104, 255

255, 136, 255

255, 166, 255

255, 197, 255

255, 227, 255

228, 23, 228

198, 0, 199

168, 0, 172

138, 0, 145

109, 0, 118

80, 0, 93

51, 0, 68

18, 0, 45

0, 1, 23

0, 0, 0

228, 23, 228

228, 0, 228

228, 0, 228

228, 23, 228

228, 46, 228

228, 69, 228

228, 91, 228

228, 114, 228

228, 137, 228

228, 160, 228

228, 183, 228

228, 205, 228

228, 228, 228

Harmonies

Analogous

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

81, 109, 255

228, 23, 228

255, 0, 141

Triad

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

228, 23, 228

164, 126, 0

0, 166, 215

Complementary

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

228, 23, 228

23, 228, 23

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, 165, 123

228, 23, 228

71, 149, 0

Square

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

228, 23, 228

231, 81, 0

0, 160, 5

0, 162, 255

Rectangle

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

228, 23, 228

255, 0, 82

0, 160, 5

0, 166, 185

Sweetspot

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

228, 23, 228

255, 186, 255

23, 23, 228

128, 87, 128

0, 0, 0

128, 128, 128

Same Dimension

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

228, 23, 228

255, 0, 255

228, 23, 126

115, 103, 115

179, 0, 179

51, 0, 51

Inverse Universe

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

228, 23, 228

255, 0, 255

23, 228, 126

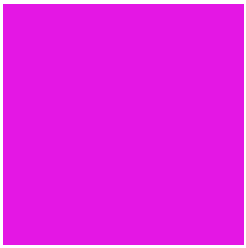
115, 103, 115

179, 0, 179

51, 0, 51

Previews

White Background

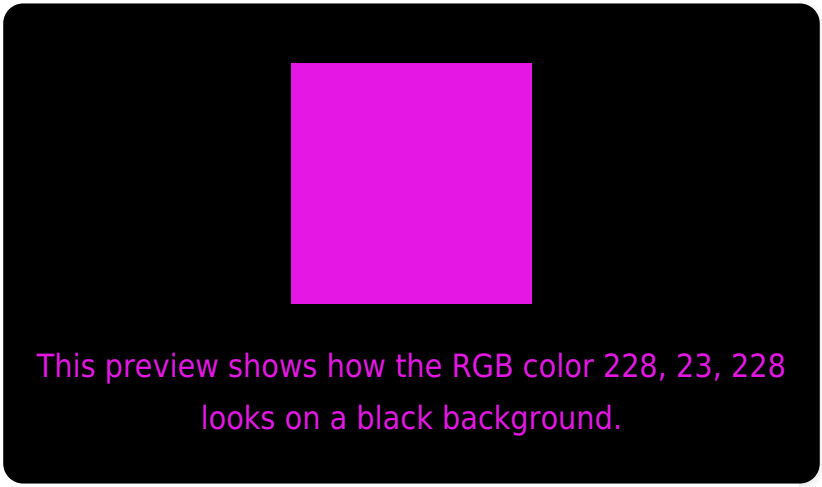


This preview shows how the RGB color 228, 23, 228 looks on a white background.

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



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 228, 23, 228 Background

This preview shows how black text looks on a background with the RGB color 228, 23, 228.

This preview shows how white text looks on a background with the RGB color 228, 23, 228.

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, 23, 228

Protanopia
54, 128, 255

Deuteranopia
81, 132, 215

Tritanopia
214, 91, 97

Trichromacy

Original Color
228, 23, 228

Protanomaly
117, 90, 245

Deuteranomaly
134, 92, 220

Tritanomaly
219, 66, 145

Monochromacy

Original Color
228, 23, 228

Achromatopsia
108, 108, 108

Achromatomaly
152, 77, 152

CSS Examples

Text

The CSS property to change the color of the text to RGB 228, 23, 228 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, 23, 228) looks like.

```
.text, #text, p{
    color:rgb(228, 23, 228)
}
```

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, 23, 228) colored shadow looks like.

Here you see how black text with a 4 pixel rgb(228, 23, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 23, 228) }
```

Border

The CSS property to change the border of an element to RGB 228, 23, 228 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, 23, 228) }
```

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

```
.border{ border-color:rgb(228, 23, 228) }
```

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

Here you see how a box with a 4 pixel rgb(228, 23, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 23, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 23, 228); box-shadow:4px 4px 4px 4px rgb(228, 23, 228) }
```

Background

The CSS property to change the background color of an element to RGB 228, 23, 228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{ background:rgb(228, 23, 228) }
```

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

```
.background{ background-color:rgb(228, 23, 228) }
```

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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