

Converting Colors

RGB(227, 56, 56)

Have a look what the booklet for
RGB(227, 56, 56) contains.

RGB(227, 56, 56)	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, 56, 56)

Conversions

Conversions Part 1

Format	Color
Hex	E33838
RGB	227, 56, 56
RGB Percent	89%, 22%, 22%
CMY	0.1098, 0.7804, 0.7804
CMYK	0.00, 0.75, 0.75, 0.11
HSL	0°, 75%, 55%
HSV	0°, 75%, 89%
XYZ	33.8065, 19.4448, 5.7128
YIQ	107.1290, 101.9160, 36.2520

Conversions

Conversions Part 2

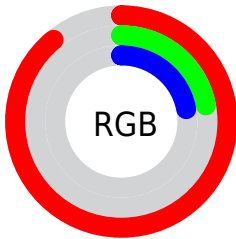
Format	Color
R_{YB}	227, 56, 56
Decimal	14891064
CIE Lab	51.20, 64.59, 41.00
CIE LCh	51, 76.502, 32.403
Yxy	19.4448, 0.5733, 0.3298
Android (android.graphics.Color)	4293081144 (0xFFE33838)
YUV	107.1290, -25.2066, 105.1269
Hunter-Lab	44.0962, 59.6793, 23.1862

Details

The RGB color **227, 56, 56** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **56, 227, 227**, and the grayscale version is **107, 107, 107**.

A 20% lighter version of the original color is **255, 116, 104**, and **163, 0, 13** is the 20% darker color. If you saturate the color by 10%, you get **227, 33, 33**, and if you desaturate by 10%, it is **227, 79, 79**.

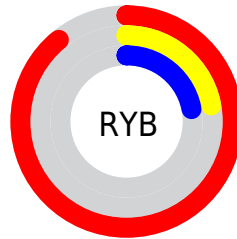
Distribution



Red (89%)

Green (22%)

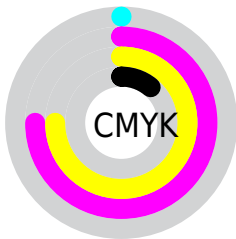
Blue (22%)



Red (89%)

Yellow (22%)

Blue (22%)

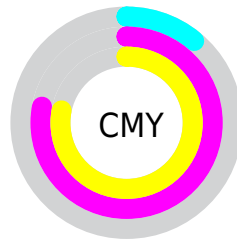


Cyan (0%)

Magenta (75%)

Yellow (75%)

Black (11%)



Cyan (11%)

Magenta (78%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the RGB color 227, 56, 56 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, 56, 56 by changing the saturation by 10% instead.



227, 56, 56



227, 56, 56

255, 255, 255



195, 13, 34



255, 116, 104



163, 0, 13



255, 145, 129



132, 0, 0



255, 174, 155



100, 0, 0



255, 203, 182



71, 0, 3



255, 232, 210



40, 0, 1



255, 255, 238



0, 0, 0



227, 56, 56



227, 56, 56



227, 33, 33



227, 79, 79

 227, 11, 11


 227, 101, 101

 227, 0, 0

 227, 124, 124

 227, 147, 147

 227, 169, 169

 227, 192, 192

 227, 215, 215

 227, 238, 238

 227, 255, 255

Harmonies

Analogous

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



233, 28, 120



227, 56, 56



194, 94, 0

Triad

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



227, 56, 56



0, 146, 56



0, 129, 254

Complementary

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



227, 56, 56



56, 227, 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, 144, 238



227, 56, 56



0, 150, 126

Square

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



227, 56, 56



75, 138, 0



0, 149, 191



122, 102, 234

Rectangle

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



227, 56, 56



162, 113, 0



0, 149, 191



0, 135, 253

Sweetspot

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



227, 56, 56



255, 196, 196



227, 56, 227



128, 92, 92



0, 0, 0



128, 128, 128

Same Dimension

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



227, 56, 56



255, 25, 25



227, 142, 56



115, 103, 103



179, 0, 0



51, 0, 0

Inverse Universe

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



56, 227, 227



25, 255, 255



56, 142, 227



103, 115, 115



0, 179, 179



0, 51, 51

Previews

White Background



This preview shows how the RGB color 227, 56, 56 looks on a white background.

Color Contrast Check

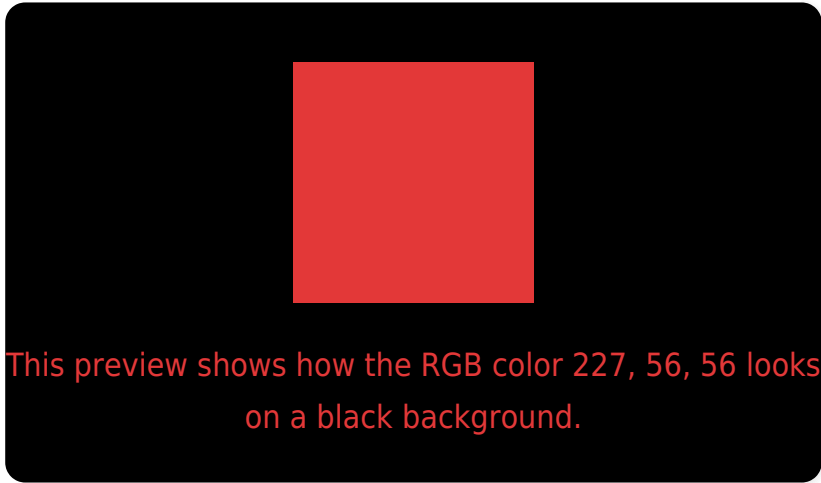
Large Text (above 18pt) WCAG AA ✓ Pass

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 227, 56, 56 Background



This preview shows how black text looks on a background with the RGB color 227, 56, 56.



This preview shows how white text looks on a background with the RGB color 227, 56, 56.

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, 56, 56

Protanopia
134, 123, 77

Deuteranopia
153, 116, 44



Tritanopia
227, 56, 57

Trichromacy



Original Color

227, 56, 56

Protanomaly

168, 99, 69

Deuteranomaly

180, 94, 48

Tritanomaly

227, 56, 57

Monochromacy



Original Color

227, 56, 56

Achromatopsia

107, 107, 107

Achromatomaly

151, 88, 88

CSS Examples

Text

The CSS property to change the color of the text to RGB 227, 56, 56 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, 56, 56)` looks like.

```
.text, #text, p{  
    color:rgb(227, 56, 56)  
}
```

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, 56, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 56, 56) }
```

Border

The CSS property to change the border of an element to RGB 227, 56, 56 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, 56, 56) }
```

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

```
.border{ border-color:rgb(227, 56, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 56, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 56, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 56, 56);  
box-shadow:4px 4px 4px 4px rgb(227, 56,  
56) }
```

Background

The CSS property to change the background color of an element to RGB 227, 56, 56 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 56, 56) }
```

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

```
.background{ background-color: rgb(227, 56,  
56) }
```

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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