

Converting Colors

XYZ(27.7177, 16.2899, 5.3951)

Have a look what the booklet for
XYZ(27.7177, 16.2899, 5.3951)
contains.

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Color

**XYZ(27.8601, 16.3793,
5.4345)**

Conversions

Conversions Part 1

Format	Color
Hex	CF3838
RGB	207, 56, 56
RGB Percent	81%, 22%, 22%
CMY	0.1882, 0.7803, 0.7804
CMYK	0.00, 0.73, 0.73, 0.19
HSL	0°, 61%, 52%
HSV	0°, 73%, 81%
XYZ	27.8601, 16.3793, 5.4345
YIQ	101.1490, 89.9960, 32.0120

Conversions

Conversions Part 2

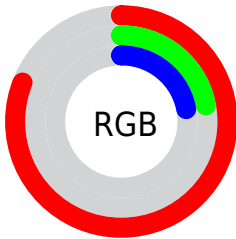
Format	Color
R_{YB}	207, 56, 56
Decimal	13580344
CIE _{Lab}	47.47, 58.57, 35.79
CIE _{LCh}	47, 68.638, 31.429
Yxy	16.3793, 0.5609, 0.3297
Android (android.graphics.Color)	4291770424 (0xFFCF3838)
YUV	101.1490, -22.2585, 92.8313
Hunter-Lab	40.4713, 52.0529, 20.3685

Details

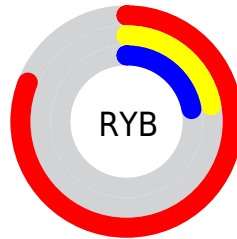
The XYZ color **27.8601, 16.3793, 5.4345** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **35.2033, 49.9657, 66.8200**, and the grayscale version is **12.4487, 13.0970, 14.2627**.

A 20% lighter version of the original color is **49.5933, 34.0495, 16.7903**, and **11.7497, 6.0488, 0.9290** is the 20% darker color. If you saturate the color by 10%, you get **26.6501, 14.6090, 3.0288**, and if you desaturate by 10%, it is **29.6945, 19.0641, 9.0805**.

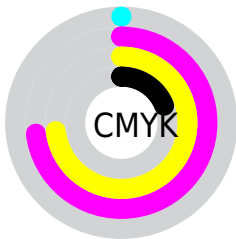
Distribution



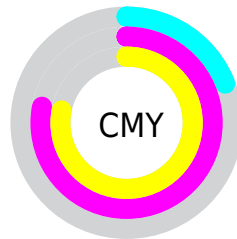
- Red (81%)
- Green (22%)
- Blue (22%)



- Red (81%)
- Yellow (22%)
- Blue (22%)



- Cyan (0%)
- Magenta (73%)
- Yellow (73%)
- Black (19%)





- Cyan (19%)
- Magenta (78%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.8601, 16.3793, 5.4345 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 XYZ color 27.8601, 16.3793, 5.4345 by changing the saturation by 10% instead.


 27.8601, 16.3793,
5.4345


 27.8601, 16.3793,
5.4345


283.8900,
231.5696, 163.0392


 18.3601, 9.7930,
2.4412


 55.6712, 37.2554,
17.2023


 11.3101, 5.2619,
0.8088


 74.7131, 52.3140,
26.8139

 6.3446, 2.4017,
0.0000


 97.6663, 70.9655,
39.4687

 3.0984, 0.8268,
0.0000

 124.8962, 93.5942,
55.5852

 1.2060, 0.0000,
0.0000

 156.7682,
120.5846, 75.5819

 0.1111, 0.0000,
0.0000

 193.6476,

 0.0000, 0.0000,

152.3210, 99.8775

0.0000

235.8997,
189.1879, 128.8904

■ 27.8601, 16.3793,
5.4345

■ 27.8601, 16.3793,
5.4345

■ 26.6501, 14.6090,
3.0288

■ 29.6945, 19.0641,
9.0805

■ 25.9808, 13.6295,
1.6986


■ 32.2208, 22.7609,
14.1025


■ 25.7321, 13.2656,
1.2043


■ 35.4989, 27.5577,
20.6190


■ 39.5820, 33.5324,
28.7358

■ 44.5184, 40.7557,
38.5492

 50.3526, 49.2929,
50.1476

 57.1262, 59.2045,
63.6134

 64.8780, 70.5475,
79.0241

 73.6447, 83.3755,
96.4523

Harmonies

Analogous

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



30.4661, 16.3793, 17.0102



27.8601, 16.3793, 5.4345



21.8714, 16.3793, 1.6158

Triad

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



27.8601, 16.3793, 5.4345



7.3781, 16.3793, 6.1178



15.8621, 16.3793, 76.8168

Complementary

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



27.8601, 16.3793, 5.4345



35.2033, 49.9657, 66.8200

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.



10.6095, 16.3793, 66.5234



27.8601, 16.3793, 5.4345



6.5463, 16.3793, 18.6845

Square

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



27.8601, 16.3793, 5.4345



10.2223, 16.3793, 1.7906



7.5571, 16.3793, 41.6812



22.5126, 16.3793, 64.5304

Rectangle

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



27.8601, 16.3793, 5.4345



17.3805, 16.3793, 0.9768



7.5571, 16.3793, 41.6812



13.8862, 16.3793, 75.8563

Sweetspot

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



27.8605, 16.3803, 5.4347



71.9385, 66.1816, 62.9547



38.4085, 20.5986, 60.9826



14.8973, 13.4332, 12.4799



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



27.8605, 16.3803, 5.4347



41.9621, 22.3169, 3.3648



34.6293, 29.9180, 7.6910



11.8088, 11.8084, 12.2689



16.2125, 8.3581, 0.7588



0.9065, 0.4674, 0.0424

Inverse Universe

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



35.2033, 49.9657, 66.8200



54.3579, 79.0148, 106.9942



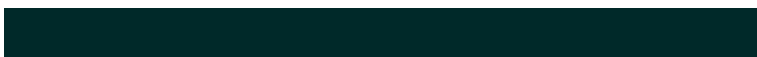
21.0769, 21.7129, 62.1112



12.1584, 13.4070, 15.1906



21.1517, 30.9500, 42.0516



1.1827, 1.7306, 2.3513

Previews

White Background



This preview shows how the XYZ color 27.8601, 16.3793, 5.4345 looks on a white background.

Color Contrast Check

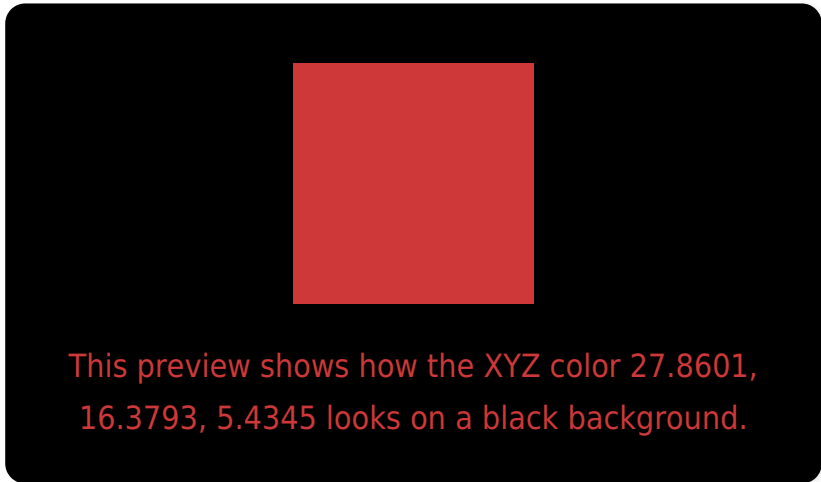
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.8601, 16.3793, 5.4345

Background



This preview shows how black text looks on a background with the XYZ color 27.8601, 16.3793, 5.4345.



This preview shows how white text looks on a background with the XYZ color 27.8601, 16.3793,

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

27.8601, 16.3793, 5.4345

Protanopia

15.3435, 16.5292, 9.0384

Deuteranopia

16.8602, 16.5931, 5.0035



Tritanopia

27.9100, 16.3992, 5.6973

Trichromacy



Original Color

27.8601, 16.3793, 5.4345

Protanomaly

18.1970, 14.9417, 7.3938

Deuteranomaly

19.6652, 15.3744, 4.9487

Tritanomaly

27.8848, 16.3892, 5.5646

Monochromacy



Original Color

27.8601, 16.3793, 5.4345

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

15.7034, 12.7283, 10.2235

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8601, 16.3793, 5.4345 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(207, 56, 56)` looks like.

```
.text, #text, p{  
    color:rgb(207, 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(207, 56, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 56, 56) }
```

Border

The CSS property to change the border of an element to XYZ 27.8601, 16.3793, 5.4345 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(207, 56, 56) }
```


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

```
.border{ border-color:rgb(207, 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(207, 56, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 56, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 56, 56);  
box-shadow:4px 4px 4px 4px rgb(207, 56,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8601, 16.3793, 5.4345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 56, 56) }
```

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

```
.background{ background-color: rgb(207, 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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