

Converting Colors

XYZ(27.5522, 17.3727, 7.7798)

Have a look what the booklet for
XYZ(27.5522, 17.3727, 7.7798)
contains.

| | |
|--|----|
| XYZ(27.4780, 17.3789, 7.8675) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(27.4780, 17.3789,
7.8675)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | C94747 |
| RGB | 201, 71, 71 |
| RGB Percent | 79%, 28%, 28% |
| CMY | 0.2118, 0.7215, 0.7216 |
| CMYK | 0.00, 0.65, 0.65, 0.21 |
| HSL | 0°, 55%, 53% |
| HSV | 0°, 65%, 79% |
| XYZ | 27.4780, 17.3789, 7.8675 |
| YIQ | 109.8700, 77.4800, 27.5600 |

Conversions

Conversions Part 2

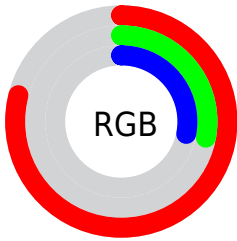
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 201, 71, 71 |
| Decimal | 13190983 |
| CIE _{Lab} | 48.73, 51.59, 28.31 |
| CIE _{LCh} | 49, 58.843, 28.756 |
| Yxy | 17.3789, 0.5212, 0.3296 |
| Android (android.graphics.Color) | 4291381063 (0xFFC94747) |
| YUV | 109.8700, -19.1629, 79.9210 |
| Hunter-Lab | 41.6880, 44.7015, 17.9922 |

Details

The XYZ color **27.4780, 17.3789, 7.8675** 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 **34.0261, 47.3266, 62.5997**, and the grayscale version is **14.8222, 15.5941, 16.9819**.

A 20% lighter version of the original color is **51.9638, 37.2833, 22.2269**, and **11.0348, 5.6980, 1.5551** is the 20% darker color. If you saturate the color by 10%, you get **25.8625, 15.0153, 4.6557**, and if you desaturate by 10%, it is **29.7302, 20.6750, 12.3441**.

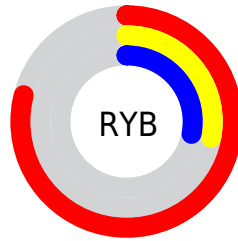
Distribution



Red (79%)

Green (28%)

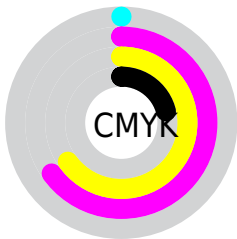
Blue (28%)



Red (79%)

Yellow (28%)

Blue (28%)

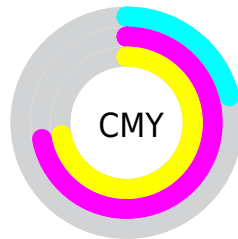


Cyan (0%)

Magenta (65%)

Yellow (65%)

Black (21%)



Cyan (21%)


Magenta (72%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.4780, 17.3789, 7.8675 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 27.4780, 17.3789, 7.8675 by changing the saturation by 10% instead.


 27.4780, 17.3789,
7.8675


 27.4780, 17.3789,
7.8675


282.0897,
237.3465, 184.5847


 18.0710, 10.5050,
3.9237


 55.0644, 38.9761,
22.2401


 11.1010, 5.7351,
1.5836


 73.9746, 54.4682,
33.5061


 6.2026, 2.6847,
0.2791


 96.7831, 73.6018,
48.0499

 3.0105, 0.9694,
0.0000

 123.8555, 96.7613,
66.2900

 1.1593, 0.0000,
0.0000

 155.5569,
124.3312, 88.6450

 0.0739, 0.0000,
0.0000

192.2529,

 0.0000, 0.0000,

156.6957, 115.5334

0.0000

234.3087,
194.2394, 147.3738

■ 27.4780, 17.3789,
7.8675

■ 27.4780, 17.3789,
7.8675

■ 25.8625, 15.0153,
4.6557

■ 29.7302, 20.6750,
12.3441

■ 24.8171, 13.4854,
2.5776

■ 32.6745, 24.9834,
18.1971

■ 24.2624, 12.6737,
1.4751

■ 36.3617, 30.3789,
25.5270

■ 24.0874, 12.4177,
1.1273

■ 40.8375, 36.9282,
34.4246

■ 46.1438, 44.6929,
44.9734

■ 52.3198, 53.7300,
57.2509

■ 59.4018, 64.0930,
71.3300

■ 67.4246, 75.8325,
87.2791

■ 76.4206, 88.9962,
105.1632

Harmonies

Analogous

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



29.3238, 17.3789, 19.5800



27.4780, 17.3789, 7.8675



22.5532, 17.3789, 3.1353

Triad

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



27.4780, 17.3789, 7.8675



9.0975, 17.3789, 7.2570



16.2923, 17.3789, 67.3879

Complementary

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



27.4780, 17.3789, 7.8675



34.0261, 47.3266, 62.5997

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.



11.6689, 17.3789, 57.7783



27.4780, 17.3789, 7.8675



8.1182, 17.3789, 18.2802

Square

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



27.4780, 17.3789, 7.8675



11.9834, 17.3789, 2.9433



8.9459, 17.3789, 37.2817



22.0729, 17.3789, 59.1569

Rectangle

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



27.4780, 17.3789, 7.8675



18.6408, 17.3789, 2.1308



8.9459, 17.3789, 37.2817



14.5630, 17.3789, 66.0733

Sweetspot

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



27.4784, 17.3799, 7.8678



74.6521, 70.1522, 68.3496



36.8832, 21.1411, 57.3948



15.4242, 14.2041, 13.5274



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.



27.4784, 17.3799, 7.8678



43.3758, 24.3856, 6.1749



34.0289, 30.4808, 10.0513



10.6339, 10.6370, 11.0554



15.1453, 7.8078, 0.7088



0.7171, 0.3697, 0.0336

Inverse Universe

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



34.0261, 47.3266, 62.5997



55.4431, 79.5769, 107.0455



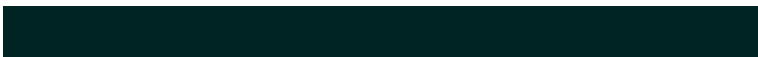
21.9454, 23.1651, 58.5728



10.9467, 12.0675, 13.6698



19.7600, 28.9139, 39.2838



0.9357, 1.3691, 1.8601

Previews

White Background



This preview shows how the XYZ color 27.4780, 17.3789, 7.8675 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 XYZ color 27.4780, 17.3789, 7.8675 looks on a 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 27.4780, 17.3789, 7.8675

Background



This preview shows how black text looks on a background with the XYZ color 27.4780, 17.3789, 7.8675.



This preview shows how white text looks on a background with the XYZ color 27.4780, 17.3789,

7.8675.

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

27.4780, 17.3789, 7.8675

Protanopia

16.3607, 17.4971, 11.9662

Deuteranopia

17.7652, 17.4898, 7.2900



Tritanopia

27.5476, 17.3058, 8.5451

Trichromacy



Original Color

27.4780, 17.3789, 7.8675

Protanomaly

19.0291, 16.3989, 10.1450

Deuteranomaly

20.3002, 16.5575, 7.4362

Tritanomaly

27.5136, 17.2922, 8.3662

Monochromacy



Original Color

27.4780, 17.3789, 7.8675

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

17.6219, 15.0499, 13.0425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4780, 17.3789, 7.8675 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(201, 71, 71)` looks like.

```
.text, #text, p{  
    color:rgb(201, 71, 71)  
}
```

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(201, 71, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 71, 71) }
```

Border

The CSS property to change the border of an element to XYZ 27.4780, 17.3789, 7.8675 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(201, 71, 71) }
```


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

```
.border{ border-color:rgb(201, 71, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 71, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 71, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 71, 71);  
box-shadow:4px 4px 4px 4px rgb(201, 71,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4780, 17.3789, 7.8675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 71, 71) }
```

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

```
.background{ background-color: rgb(201, 71,  
71) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor