

Converting Colors

XYZ(27.7099, 17.1405, 7.4782)

Have a look what the booklet for
XYZ(27.7099, 17.1405, 7.4782)
contains.

XYZ(27.7099, 17.1405, 7.4782)	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(27.7099, 17.1405,
7.4782)**

Conversions

Conversions Part 1

Format	Color
Hex	CB4345
RGB	203, 67, 69
RGB Percent	80%, 26%, 27%
CMY	0.2039, 0.7372, 0.7294
CMYK	0.00, 0.67, 0.66, 0.20
HSL	359°, 57%, 53%
HSV	359°, 67%, 80%
XYZ	27.7099, 17.1405, 7.4782
YIQ	107.8920, 80.4140, 29.4540

Conversions

Conversions Part 2

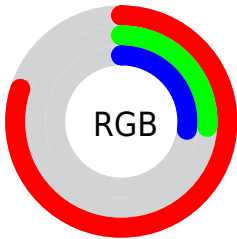
Format	Color
RYB	203, 67, 69
Decimal	13321029
CIELab	48.44, 53.80, 29.19
CIELCh	48, 61.206, 28.487
Yxy	17.1405, 0.5295, 0.3276
Android (android.graphics.Color)	4291511109 (0xFFCB4345)
YUV	107.8920, -19.1738, 83.4097
Hunter-Lab	41.4011, 47.0188, 18.2713

Details

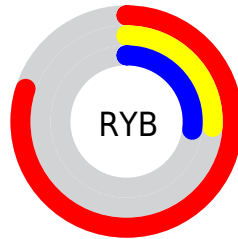
The XYZ color **27.7099, 17.1405, 7.4782** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **34.2147, 48.1226, 62.7484**, and the grayscale version is **14.2608, 15.0034, 16.3387**.

A 20% lighter version of the original color is **51.4104, 36.4634, 21.1581**, and **11.3418, 5.8254, 1.5039** is the 20% darker color. If you saturate the color by 10%, you get **26.1877, 14.9280, 4.4067**, and if you desaturate by 10%, it is **29.8650, 20.2843, 11.7931**.

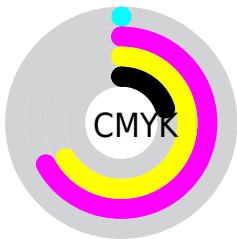
Distribution



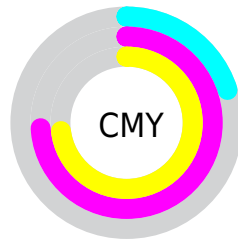
- Red (80%)
- Green (26%)
- Blue (27%)



- Red (80%)
- Yellow (26%)
- Blue (27%)



- Cyan (0%)
- Magenta (67%)
- Yellow (66%)
- Black (20%)





- Cyan (20%)
- Magenta (74%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.7099, 17.1405, 7.4782 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 27.7099, 17.1405, 7.4782 by changing the saturation by 10% instead.

 27.7099, 17.1405,
7.4782


 27.7099, 17.1405,
7.4782


283.1834,
235.9807, 181.3590


 18.2464, 10.3347,
3.6800


 55.4328, 38.5672,
21.4580


 11.2278, 5.6214,
1.4515


 74.4230, 53.9569,
32.4766

 6.2887, 2.6163,
0.1814


 97.3195, 72.9767,
46.7392

 3.0637, 0.9349,
0.0000

 124.4876, 96.0109,
64.6641

 1.1876, 0.0000,
0.0000

 156.2926,
123.4441, 86.6700

 0.0965, 0.0000,
0.0000

193.1001,

 0.0000, 0.0000,

155.6605, 113.1755

0.0000

235.2752,
193.0446, 144.5990

■ 27.7099, 17.1405,
7.4782

■ 27.7099, 17.1405,
7.4782

■ 26.1877, 14.9280,
4.4067

■ 29.8650, 20.2843,
11.7931

■ 25.2286, 13.5421,
2.4463

■ 32.7105, 24.4435,
17.4637

■ 24.7440, 12.8487,
1.4341

■ 36.2987, 29.6962,
24.5907

■ 24.6447, 12.7029,
1.2384

■ 40.6768, 36.1121,
33.2649

■ 45.8879, 43.7550,
43.5700

■ 51.9720, 52.6842,
55.5834

■ 58.9665, 62.9551,
69.3777

■ 66.9068, 74.6198,
85.0214

■ 75.8262, 87.7277,
102.5792

Harmonies

Analogous

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



29.6042, 17.1405, 19.4895



27.7099, 17.1405, 7.4782



22.5945, 17.1405, 2.7836

Triad

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



27.7099, 17.1405, 7.4782



8.7265, 17.1405, 6.7373



16.0088, 17.1405, 69.5975

Complementary

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



27.7099, 17.1405, 7.4782



34.2147, 48.1226, 62.7484

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.



11.2854, 17.1405, 59.2443



27.7099, 17.1405, 7.4782



7.7225, 17.1405, 17.8604

Square

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



27.7099, 17.1405, 7.4782



11.6755, 17.1405, 2.5608



8.5402, 17.1405, 37.5797



21.9874, 17.1405, 61.0210

Rectangle

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



27.7099, 17.1405, 7.4782



18.5372, 17.1405, 1.8185



8.5402, 17.1405, 37.5797



14.2350, 17.1405, 68.1411

Sweetspot

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



27.7103, 17.1415, 7.4785



73.8218, 68.8413, 66.9944



36.8027, 20.7077, 58.5567



15.2665, 13.9510, 13.2827



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.



27.7103, 17.1415, 7.4785



43.0894, 23.8939, 5.8294



33.9935, 29.8051, 9.2729



11.2189, 11.2163, 11.6873



15.6868, 8.0853, 0.8035



0.8116, 0.4181, 0.0540

Inverse Universe

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



27.7103, 17.1415, 7.4785



43.0894, 23.8939, 5.8294



22.0790, 23.4738, 59.8667



11.2189, 11.2163, 11.6873



15.6868, 8.0853, 0.8035



0.8116, 0.4181, 0.0540

Previews

White Background



This preview shows how the XYZ color 27.7099, 17.1405, 7.4782 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 27.7099, 17.1405, 7.4782 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 27.7099, 17.1405, 7.4782

Background



This preview shows how black text looks on a background with the XYZ color 27.7099, 17.1405, 7.4782.



This preview shows how white text looks on a background with the XYZ color 27.7099, 17.1405,

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

27.7099, 17.1405, 7.4782

Protanopia

16.3190, 17.4804, 11.7465

Deuteranopia

17.6008, 17.2504, 6.9594



Tritanopia

27.7412, 17.1530, 7.6431

Trichromacy



Original Color

27.7099, 17.1405, 7.4782

Protanomaly

18.9898, 16.1018, 9.8917

Deuteranomaly

20.2667, 16.2796, 7.0751

Tritanomaly

27.7412, 17.1530, 7.6431

Monochromacy



Original Color

27.7099, 17.1405, 7.4782

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

17.2624, 14.4765, 12.4741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7099, 17.1405, 7.4782 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(203, 67, 69)` looks like.

```
.text, #text, p{  
    color:rgb(203, 67, 69)  
}
```

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(203, 67, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 67, 69) }
```

Border

The CSS property to change the border of an element to XYZ 27.7099, 17.1405, 7.4782 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(203, 67, 69) }
```


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

```
.border{ border-color:rgb(203, 67, 69) }
```

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

Here you see how a box with a 4 pixel rgb(203, 67, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 67, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 67, 69);  
box-shadow:4px 4px 4px 4px rgb(203, 67,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7099, 17.1405, 7.4782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 67, 69) }
```

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

```
.background{ background-color: rgb(203, 67,  
69) }
```

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