

Converting Colors

XYZ(27.1961, 16.7780, 2.5897)

Have a look what the booklet for
XYZ(27.1961, 16.7780, 2.5897)
contains.

XYZ(27.2218, 16.8216, 2.6228)	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(27.2218, 16.8216,
2.6228)**

Conversions

Conversions Part 1

Format	Color
Hex	CD4117
RGB	205, 65, 23
RGB Percent	80%, 25%, 9%
CMY	0.1961, 0.7451, 0.9098
CMYK	0.00, 0.68, 0.89, 0.20
HSL	14°, 80%, 45%
HSV	14°, 89%, 80%
XYZ	27.2218, 16.8216, 2.6228
YIQ	102.0720, 96.9220, 16.6180

Conversions

Conversions Part 2

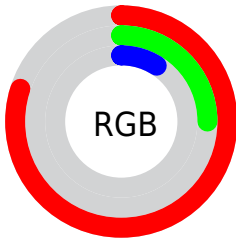
Format	Color
RYB	205, 78, 23
Decimal	13451543
CIELab	48.03, 53.57, 52.64
CIElCh	48, 75.108, 44.500
Yxy	16.8216, 0.5833, 0.3605
Android (android.graphics.Color)	4291641623 (0xFFCD4117)
YUV	102.0720, -38.9825, 90.2679
Hunter-Lab	41.0141, 46.6988, 24.9184

Details

The XYZ color **27.2218, 16.8216, 2.6228** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **24.4686, 30.7815, 62.4089**, and the grayscale version is **12.7301, 13.3931, 14.5851**.

A 20% lighter version of the original color is **49.1591, 35.1740, 10.5016**, and **11.1553, 5.7508, 0.5221** is the 20% darker color. If you saturate the color by 10%, you get **26.2988, 15.2014, 1.6199**, and if you desaturate by 10%, it is **28.5479, 19.0091, 4.4986**.

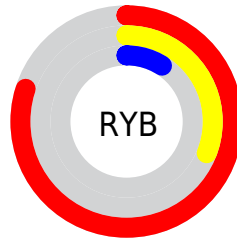
Distribution



Red (80%)

Green (25%)

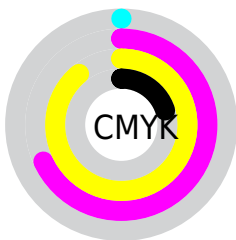
Blue (9%)



Red (80%)

Yellow (31%)

Blue (9%)

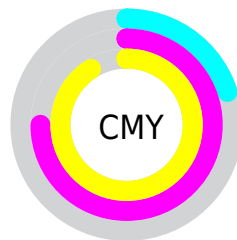


Cyan (0%)

Magenta (68%)

Yellow (89%)

Black (20%)



Cyan (20%)


Magenta (75%)


Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2218, 16.8216, 2.6228 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 27.2218, 16.8216, 2.6228 by changing the saturation by 10% instead.


 27.2218, 16.8216,
2.6228


 27.2218, 16.8216,
2.6228


280.8774,
234.1422, 131.4011


 17.8773, 10.1074,
0.9042


 54.6570, 38.0188,
10.6826


 10.9611, 5.4702,
0.0000


 73.4783, 53.2705,
17.8620


 6.1078, 2.5257,
0.0000


 96.1894, 72.1369,
27.6993

 2.9520, 0.8895,
0.0000

 123.1555, 95.0024,
40.6128

 1.1284, 0.0000,
0.0000

 154.7420,
122.2512, 57.0213


 0.0487, 0.0000,
0.0000


 191.3143,


 0.0000, 0.0000,


154.2679, 77.3431


0.0000


 233.2376,
191.4367, 101.9969


 27.2218, 16.8216,
2.6228


 27.2218, 16.8216,
2.6228


 26.2988, 15.2014,
1.6199


 28.5479, 19.0091,
4.4986

 26.2058, 15.0375,
1.5213

 30.3350, 21.8150,
7.4627

 32.6255, 25.2849,
11.6519

 35.4565, 29.4589,
17.1826

 38.8612, 34.3740,
24.1573

■ 42.8700, 40.0642,
32.6686

■ 47.5112, 46.5617,
42.8015

■ 52.8113, 53.8966,
54.6344

■ 58.7950, 62.0975,
68.2408

Harmonies

Analogous

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



32.2465, 16.8216, 10.4602



27.2218, 16.8216, 2.6228



19.7363, 16.8216, 0.7300

Triad

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



27.2218, 16.8216, 2.6228



6.4207, 16.8216, 10.0323



19.4841, 16.8216, 83.5749

Complementary

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



27.2218, 16.8216, 2.6228



24.4686, 30.7815, 62.4089

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.



12.7478, 16.8216, 83.1111



27.2218, 16.8216, 2.6228



6.3886, 16.8216, 29.3598

Square

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



27.2218, 16.8216, 2.6228



8.4739, 16.8216, 2.4985



8.3688, 16.8216, 58.9951



26.9927, 16.8216, 60.0073

Rectangle

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



27.2218, 16.8216, 2.6228



14.9861, 16.8216, 0.5552



8.3688, 16.8216, 58.9951



17.0345, 16.8216, 86.5685

Sweetspot

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



27.2222, 16.8226, 2.6231



71.2491, 67.0721, 55.7290



32.3263, 16.3292, 37.3164



14.7287, 13.6209, 10.8055



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.



27.2222, 16.8226, 2.6231



42.7966, 24.3733, 2.4489



36.7936, 35.9655, 5.8135



11.4190, 11.6269, 11.7218



16.3749, 9.4827, 0.9673



0.9044, 0.6085, 0.0698

Inverse Universe

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



24.4686, 30.7815, 62.4089



37.8222, 46.7643, 101.6407



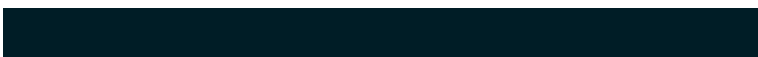
13.8597, 9.5637, 58.8726



11.3152, 12.2709, 14.3425



14.5132, 18.0504, 38.6754



0.8037, 1.0411, 2.0135

Previews

White Background



This preview shows how the XYZ color 27.2218, 16.8216, 2.6228 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 27.2218, 16.8216, 2.6228 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 27.2218, 16.8216, 2.6228

Background



This preview shows how black text looks on a background with the XYZ color 27.2218, 16.8216, 2.6228.



This preview shows how white text looks on a background with the XYZ color 27.2218, 16.8216,

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

27.2218, 16.8216, 2.6228

Protanopia

15.4874, 17.0499, 4.0648

Deuteranopia

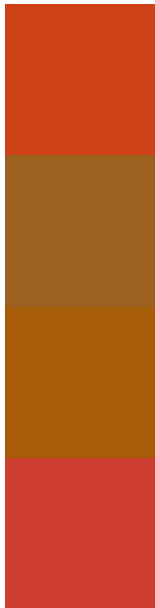
17.1457, 16.9570, 2.3694



Tritanopia

28.0478, 16.8295, 6.6206

Trichromacy



Original Color

27.2218, 16.8216, 2.6228

Protanomaly

18.4266, 15.8164, 3.3780

Deuteranomaly

19.8945, 16.0617, 2.2814

Tritanomaly

27.7306, 16.7888, 4.6847

Monochromacy



Original Color

27.2218, 16.8216, 2.6228

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

15.4224, 13.1148, 8.0219

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2218, 16.8216, 2.6228 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(205, 65, 23)` looks like.

```
.text, #text, p{  
    color:rgb(205, 65, 23)  
}
```

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(205, 65, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 65, 23) }
```

Border

The CSS property to change the border of an element to XYZ 27.2218, 16.8216, 2.6228 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(205, 65, 23) }
```


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

```
.border{ border-color:rgb(205, 65, 23) }
```

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

Here you see how a box with a 4 pixel rgb(205, 65, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 65, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 65, 23);  
box-shadow:4px 4px 4px 4px rgb(205, 65,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2218, 16.8216, 2.6228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 65, 23) }
```

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

```
.background{ background-color: rgb(205, 65,  
23) }
```

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