

Converting Colors

XYZ(27.0265, 19.0888, 2.2601)

Have a look what the booklet for
XYZ(27.0265, 19.0888, 2.2601)
contains.

XYZ(27.0429, 19.1216, 2.2655)	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(27.0429, 19.1216,
2.2655)**

Conversions

Conversions Part 1

Format	Color
Hex	C75800
RGB	199, 88, 0
RGB Percent	78%, 35%, 0%
CMY	0.2196, 0.6549, 1.0000
CMYK	0.00, 0.56, 1.00, 0.22
HSL	27°, 100%, 39%
HSV	27°, 100%, 78%
XYZ	27.0429, 19.1216, 2.2655
YIQ	111.1570, 94.4040, -3.8360

Conversions

Conversions Part 2

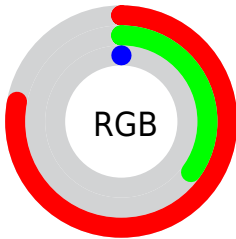
Format	Color
R _Y B	199, 158, 0
Decimal	13064192
CIE Lab	50.83, 40.80, 60.21
CIE LCh	51, 72.736, 55.878
Yxy	19.1216, 0.5584, 0.3948
Android (android.graphics.Color)	4291254272 (0xFFC75800)
YUV	111.1570, -54.8004, 77.0383
Hunter-Lab	43.7283, 33.8655, 27.5380

Details

The XYZ color **27.0429, 19.1216, 2.2655** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **15.9927, 15.4914, 56.1795**, and the grayscale version is **15.2910, 16.0873, 17.5191**.

A 20% lighter version of the original color is **51.4876, 40.3640, 9.6348**, and **10.9781, 6.6415, 0.7033** is the 20% darker color. If you saturate the color by 10%, you get **27.0431, 19.1223, 2.2656**, and if you desaturate by 10%, it is **28.1503, 21.1361, 3.2533**.

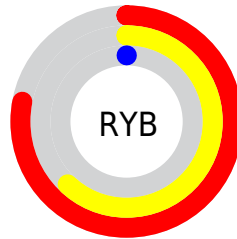
Distribution



Red (78%)

Green (35%)

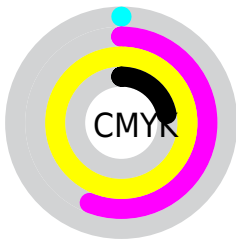
Blue (0%)



Red (78%)

Yellow (62%)

Blue (0%)

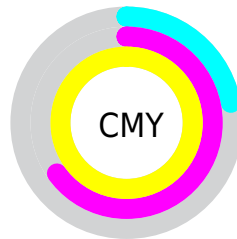


Cyan (0%)

Magenta (56%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (65%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.0429, 19.1216, 2.2655 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 27.0429, 19.1216, 2.2655 by changing the saturation by 10% instead.

 27.0429, 19.1216,
2.2655


 27.0429, 19.1216,
2.2655


280.0285,
247.1192, 126.3721


 17.7422, 11.7582,
0.7118


 54.3721, 41.9395,
9.7547


 10.8636, 6.5792,
0.0000


 73.1313, 58.1627,
16.5487


 6.0418, 3.2004,
0.0000


 95.7741, 78.1080,
25.9337

 2.9114, 1.2372,
0.0000

 122.6657,
102.1598, 38.3282

 1.1071, 0.0918,
0.0000

 154.1717,
130.7024, 54.1507

 0.0310, 0.0000,
0.0000


 190.6572,


 0.0000, 0.0000,


164.1202, 73.8198


0.0000


 232.4877,
202.7977, 97.7541


 27.0429, 19.1216,
2.2655


 27.0429, 19.1216,
2.2655


 27.0431, 19.1223,
2.2656

 28.1503, 21.1361,
3.2533

 29.5308, 23.4903,
4.9677

 31.2353, 26.2143,
7.6476

 33.2926, 29.3279,
11.4190

 35.7276, 32.8492,
16.3884

■ 38.5625, 36.7946,
22.6496

■ 41.8177, 41.1796,
30.2868

■ 45.5118, 46.0186,
39.3771

■ 49.6623, 51.3254,
49.9918

Harmonies

Analogous

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



33.5886, 19.1216, 7.9170



27.0429, 19.1216, 2.2655



19.1821, 19.1216, 1.0578

Triad

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



27.0429, 19.1216, 2.2655



7.6107, 19.1216, 18.1129



24.8700, 19.1216, 80.2581

Complementary

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



27.0429, 19.1216, 2.2655



15.9927, 15.4914, 56.1795

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.



17.2028, 19.1216, 90.1052



27.0429, 19.1216, 2.2655



8.3886, 19.1216, 43.2063

Square

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



27.0429, 19.1216, 2.2655



8.9936, 19.1216, 5.6100



11.4939, 19.1216, 73.4906



32.1203, 19.1216, 51.6943

Rectangle

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



27.0429, 19.1216, 2.2655



14.6620, 19.1216, 1.2621



11.4939, 19.1216, 73.4906



22.2074, 19.1216, 86.4318

Sweetspot

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



27.0433, 19.1227, 2.2658



72.9526, 71.7473, 52.3868



26.5206, 13.3291, 16.7293



15.0763, 14.6365, 9.9336



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.



27.0433, 19.1227, 2.2658



47.1196, 33.0193, 3.8899



41.0556, 47.1473, 6.9366



11.0134, 11.3960, 11.1819



17.4738, 12.4649, 1.4850



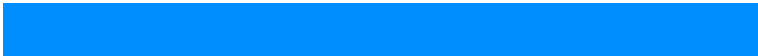
0.8993, 0.7340, 0.0943

Inverse Universe

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



15.9927, 15.4914, 56.1795



27.7571, 26.6342, 98.2857



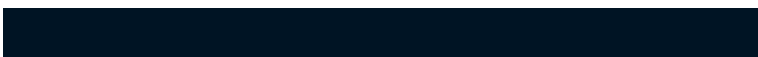
10.4562, 4.4183, 54.3340



10.5391, 11.2522, 13.5339



10.3721, 10.1382, 36.1546



0.5625, 0.6228, 1.7357

Previews

White Background



This preview shows how the XYZ color 27.0429, 19.1216, 2.2655 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



This preview shows how the XYZ color 27.0429, 19.1216, 2.2655 looks on a 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](#).

XYZ 27.0429, 19.1216, 2.2655

Background



This preview shows how black text looks on a background with the XYZ color 27.0429, 19.1216, 2.2655.



This preview shows how white text looks on a background with the XYZ color 27.0429, 19.1216,

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

27.0429, 19.1216, 2.2655

Protanopia

17.3936, 19.2844, 3.4216

Deuteranopia

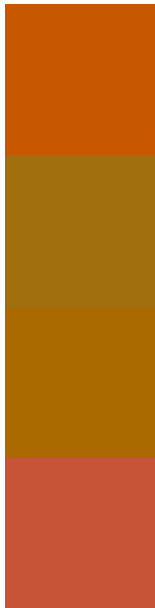
19.5718, 19.3608, 2.7055



Tritanopia

28.8250, 19.1402, 11.1920

Trichromacy



Original Color

27.0429, 19.1216, 2.2655

Protanomaly

20.1395, 18.6520, 2.8866

Deuteranomaly

21.7316, 18.8541, 2.4938

Tritanomaly

27.6793, 18.8958, 5.8028

Monochromacy



Original Color

27.0429, 19.1216, 2.2655

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

17.3153, 15.9951, 8.1360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0429, 19.1216, 2.2655 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(199, 88, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 88, 0)  
}
```

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(199, 88, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 88, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.0429, 19.1216, 2.2655 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(199, 88, 0) }
```


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

```
.border{ border-color:rgb(199, 88, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 88, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 88, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 88, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 88, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.0429, 19.1216, 2.2655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 88, 0) }
```

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

```
.background{ background-color: rgb(199, 88,  
0) }
```

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