

Converting Colors

XYZ(26.6963, 19.6607, 2.3878)

Have a look what the booklet for
XYZ(26.6963, 19.6607, 2.3878)
contains.

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Color

**XYZ(26.7677, 19.7412,
2.3996)**

Conversions

Conversions Part 1

Format	Color
Hex	C45E00
RGB	196, 94, 0
RGB Percent	77%, 37%, 0%
CMY	0.2314, 0.6313, 1.0000
CMYK	0.00, 0.52, 1.00, 0.23
HSL	29°, 100%, 38%
HSV	29°, 100%, 77%
XYZ	26.7677, 19.7412, 2.3996
YIQ	113.7820, 90.9660, -7.6100

Conversions

Conversions Part 2

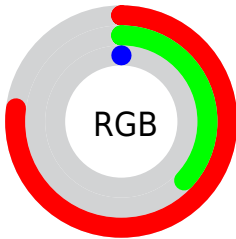
Format	Color
R_{YB}	196, 181, 0
Decimal	12869120
CIE Lab	51.54, 36.60, 60.38
CIE LCh	52, 70.609, 58.775
Yxy	19.7412, 0.5473, 0.4036
Android (android.graphics.Color)	4291059200 (0xFFC45E00)
YUV	113.7820, -56.0945, 72.1052
Hunter-Lab	44.4311, 29.7838, 27.8997

Details

The XYZ color **26.7677, 19.7412, 2.3996** 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 **14.7149, 13.4877, 54.0521**, and the grayscale version is **16.0734, 16.9104, 18.4154**.

A 20% lighter version of the original color is **52.4161, 42.1767, 10.0809**, and **10.8924, 6.9523, 0.7678** is the 20% darker color. If you saturate the color by 10%, you get **26.7679, 19.7419, 2.3997**, and if you desaturate by 10%, it is **27.8587, 21.7270, 3.3689**.

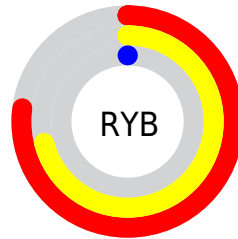
Distribution



Red (77%)

Green (37%)

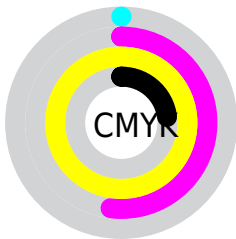
Blue (0%)



Red (77%)

Yellow (71%)

Blue (0%)

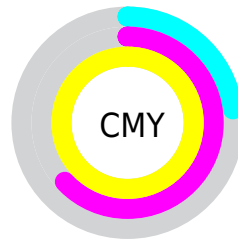


Cyan (0%)

Magenta (52%)

Yellow (100%)

Black (23%)



Cyan (23%)


Magenta (63%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 26.7677, 19.7412, 2.3996 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 26.7677, 19.7412, 2.3996 by changing the saturation by 10% instead.


 26.7677, 19.7412,
2.3996


 26.7677, 19.7412,
2.3996


278.7187,
250.5106, 128.3021


 17.5345, 12.2071,
0.7862


 53.9334, 42.9829,
10.1070


 10.7140, 6.8849,
0.0000


 72.5966, 59.4592,
17.0489


 5.9407, 3.3902,
0.0000


 95.1339, 79.6850,
26.6075

 2.8494, 1.3387,
0.0000

 121.9106,
104.0447, 39.2016

 1.0746, 0.1709,
0.0000

 153.2921,
132.9228, 55.2495


 0.0037, 0.0000,
0.0000


 189.6437,


 0.0000, 0.0000,


166.7035, 75.1699


0.0000


 231.3308,
205.7713, 99.3813


 26.7677, 19.7412,
2.3996

 26.7677, 19.7412,
2.3996


 26.7679, 19.7419,
2.3997

 27.8587, 21.7270,
3.3689

 29.1976, 24.0099,
5.0327

 30.8329, 26.6169,
7.6236

 32.7912, 29.5651,
11.2623

 35.0956, 32.8697,
16.0510

■ 37.7666, 36.5449,
22.0798

■ 40.8228, 40.6037,
29.4294

■ 44.2814, 45.0584,
38.1739

■ 48.1586, 49.9208,
48.3816

Harmonies

Analogous

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



33.4537, 19.7412, 7.6326



26.7677, 19.7412, 2.3996



19.0567, 19.7412, 1.3128

Triad

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



26.7677, 19.7412, 2.3996



8.1565, 19.7412, 20.6699



26.1323, 19.7412, 77.2050

Complementary

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



26.7677, 19.7412, 2.3996



14.7149, 13.4877, 54.0521

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.



18.4731, 19.7412, 89.0681



26.7677, 19.7412, 2.3996



9.1607, 19.7412, 46.3437

Square

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



26.7677, 19.7412, 2.3996



9.3428, 19.7412, 6.9295



12.5387, 19.7412, 75.2615



33.0265, 19.7412, 48.8016

Rectangle

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



26.7677, 19.7412, 2.3996



14.7035, 19.7412, 1.6610



12.5387, 19.7412, 75.2615



23.5094, 19.7412, 83.8300

Sweetspot

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



26.7681, 19.7423, 2.3999



73.6752, 73.1925, 52.6276



25.2908, 12.7462, 14.3669



15.2464, 14.9768, 9.9903



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.



26.7681, 19.7423, 2.3999



48.2367, 35.2533, 4.2622



41.0629, 48.3318, 7.1649



10.4628, 10.8571, 10.6060



17.2849, 12.8555, 1.5704



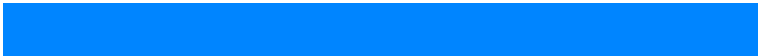
0.8158, 0.6934, 0.0908

Inverse Universe

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



14.7149, 13.4877, 54.0521



26.3962, 23.9125, 97.8321



10.0348, 4.1274, 52.4920



9.9522, 10.5957, 12.8055



9.5415, 8.8396, 34.7599



0.4810, 0.5194, 1.5248

Previews

White Background



This preview shows how the XYZ color 26.7677, 19.7412, 2.3996 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 26.7677, 19.7412, 2.3996 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 26.7677, 19.7412, 2.3996

Background



This preview shows how black text looks on a background with the XYZ color 26.7677, 19.7412, 2.3996.



This preview shows how white text looks on a background with the XYZ color 26.7677, 19.7412,

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

26.7677, 19.7412, 2.3996

Protanopia

17.9643, 19.9479, 3.4758

Deuteranopia

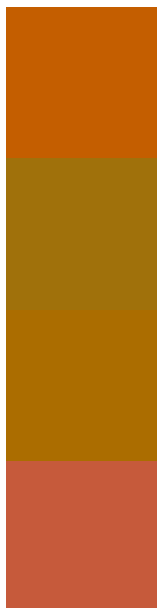
20.0716, 19.7905, 2.7621



Tritanopia

28.9372, 19.7488, 12.6427

Trichromacy



Original Color

26.7677, 19.7412, 2.3996

Protanomaly

20.4627, 19.3080, 2.9649

Deuteranomaly

22.2632, 19.5952, 2.6089

Tritanomaly

27.7343, 19.6339, 6.4656

Monochromacy



Original Color

26.7677, 19.7412, 2.3996

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.9619, 16.9257, 8.6236

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.7677, 19.7412, 2.3996 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(196, 94, 0)` looks like.

```
.text, #text, p{  
    color:rgb(196, 94, 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(196, 94, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 94, 0) }
```

Border

The CSS property to change the border of an element to XYZ 26.7677, 19.7412, 2.3996 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(196, 94, 0) }
```


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

```
.border{ border-color:rgb(196, 94, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 94, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 94, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 94, 0);  
box-shadow:4px 4px 4px 4px rgb(196, 94, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 26.7677, 19.7412, 2.3996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 94, 0) }
```

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

```
.background{ background-color: rgb(196, 94,  
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](#).

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