

Converting Colors

XYZ(26.9407, 16.9151, 1.8450)

Have a look what the booklet for
XYZ(26.9407, 16.9151, 1.8450)
contains.

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Color

**XYZ(26.9690, 16.9716,
1.8544)**

Conversions

Conversions Part 1

Format	Color
Hex	CC4400
RGB	204, 68, 0
RGB Percent	80%, 27%, 0%
CMY	0.2000, 0.7333, 1.0000
CMYK	0.00, 0.67, 1.00, 0.20
HSL	20°, 100%, 40%
HSV	20°, 100%, 80%
XYZ	26.9690, 16.9716, 1.8544
YIQ	100.9120, 102.8840, 7.6840

Conversions

Conversions Part 2

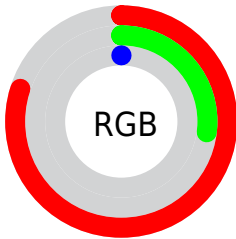
Format	Color
RYB	204, 102, 0
Decimal	13386752
CIELab	48.22, 51.73, 59.27
CIELCh	48, 78.673, 48.888
Yxy	16.9716, 0.5889, 0.3706
Android (android.graphics.Color)	4291576832 (0xFFCC4400)
YUV	100.9120, -49.7496, 90.4082
Hunter-Lab	41.1966, 44.7594, 26.1688

Details

The XYZ color **26.9690, 16.9716, 1.8544** 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 **19.7022, 21.9660, 60.3279**, and the grayscale version is **12.4536, 13.1021, 14.2682**.

A 20% lighter version of the original color is **48.9890, 35.4948, 8.4069**, and **10.9845, 5.6627, 0.5141** is the 20% darker color. If you saturate the color by 10%, you get **26.9693, 16.9724, 1.8546**, and if you desaturate by 10%, it is **28.0194, 18.8649, 2.8453**.

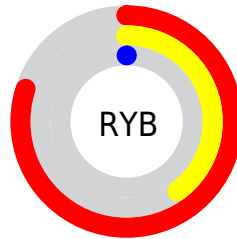
Distribution



Red (80%)

Green (27%)

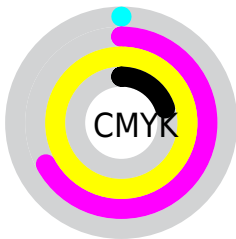
Blue (0%)



Red (80%)

Yellow (40%)

Blue (0%)

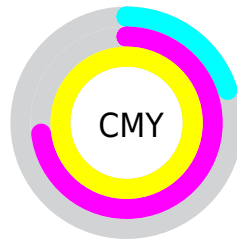


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (73%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 26.9690, 16.9716, 1.8544 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 26.9690, 16.9716, 1.8544 by changing the saturation by 10% instead.

 26.9690, 16.9716,
1.8544


 26.9690, 16.9716,
1.8544


 279.6773,
235.0087, 120.0733


 17.6864, 10.2142,
0.4635


 54.2544, 38.2769,
8.6388


 10.8234, 5.5412,
0.0000


 72.9878, 53.5937,
14.9510


 6.0146, 2.5682,
0.0000


 95.6023, 72.5324,
23.7680

 2.8947, 0.9107,
0.0000

 122.4632, 95.4774,
35.5083

 1.0983, 0.0000,
0.0000

 153.9357,
122.8132, 50.5905


 0.0237, 0.0000,
0.0000


 190.3854,


 0.0000, 0.0000,


154.9240, 69.4330


0.0000


 232.1774,
192.1944, 92.4544


 26.9690, 16.9716,
1.8544


 26.9690, 16.9716,
1.8544


 26.9693, 16.9724,
1.8546

 28.0194, 18.8649,
2.8453

 29.4094, 21.2178,
4.6252

 31.1975, 24.0724,
7.4456

 33.4190, 27.4593,
11.4423

 36.1049, 31.4063,
16.7300

■ 39.2828, 35.9390,
23.4097

■ 42.9779, 41.0811,
31.5722

■ 47.2138, 46.8552,
41.3007

■ 52.0123, 53.2825,
52.6720

Harmonies

Analogous

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



32.9558, 16.9716, 8.4363



26.9690, 16.9716, 1.8544



18.9293, 16.9716, 0.4158

Triad

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



26.9690, 16.9716, 1.8544



6.0494, 16.9716, 11.8804



21.0054, 16.9716, 86.4104

Complementary

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



26.9690, 16.9716, 1.8544



19.7022, 21.9660, 60.3279

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.



13.6230, 16.9716, 90.3346



26.9690, 16.9716, 1.8544



6.3039, 16.9716, 34.3875

Square

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



26.9690, 16.9716, 1.8544



7.8294, 16.9716, 2.7956



8.6726, 16.9716, 66.8747



28.8699, 16.9716, 58.3602

Rectangle

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



26.9690, 16.9716, 1.8544



14.0980, 16.9716, 0.3787



8.6726, 16.9716, 66.8747



18.3506, 16.9716, 91.1011

Sweetspot

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



26.9694, 16.9726, 1.8547



70.9197, 67.6815, 51.7091



29.3457, 14.6149, 24.5670



14.6005, 13.6849, 9.7750



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.



26.9694, 16.9726, 1.8547



44.4892, 27.7585, 3.0131



39.2764, 41.5867, 5.9570



11.5128, 11.8146, 11.7531



17.0519, 10.8368, 1.1930



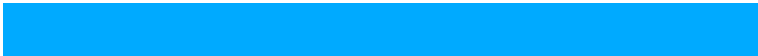
0.9493, 0.6984, 0.0848

Inverse Universe

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



19.7022, 21.9660, 60.3279



32.4230, 35.9660, 99.8410



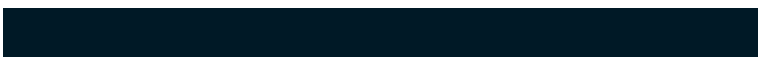
11.4711, 5.5038, 57.5842



11.2160, 12.0723, 14.3094



12.4894, 14.0028, 38.0008



0.7123, 0.8583, 1.9831

Previews

White Background



This preview shows how the XYZ color 26.9690, 16.9716, 1.8544 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 26.9690, 16.9716, 1.8544 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 26.9690, 16.9716, 1.8544

Background



This preview shows how black text looks on a background with the XYZ color 26.9690, 16.9716, 1.8544.



This preview shows how white text looks on a background with the XYZ color 26.9690, 16.9716,

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

26.9690, 16.9716, 1.8544

Protanopia

15.5961, 17.2945, 3.2752

Deuteranopia

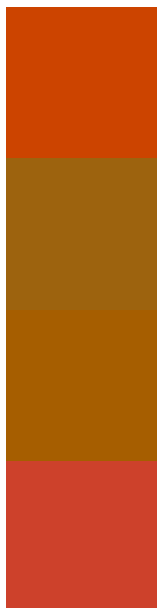
17.1457, 16.9570, 2.3694



Tritanopia

27.9675, 16.9394, 7.1058

Trichromacy



Original Color

26.9690, 16.9716, 1.8544

Protanomaly

18.4457, 16.1235, 2.5554

Deuteranomaly

19.7286, 16.1124, 2.0702

Tritanomaly

27.5032, 16.9341, 4.1045

Monochromacy



Original Color

26.9690, 16.9716, 1.8544

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

14.9790, 12.9182, 6.5545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.9690, 16.9716, 1.8544 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(204, 68, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 68, 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(204, 68, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 68, 0) }
```

Border

The CSS property to change the border of an element to XYZ 26.9690, 16.9716, 1.8544 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(204, 68, 0) }
```


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

```
.border{ border-color:rgb(204, 68, 0) }
```

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

Here you see how a box with a 4 pixel rgb(204, 68, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 68, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 68, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 68, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 26.9690, 16.9716, 1.8544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 68, 0) }
```

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

```
.background{ background-color: rgb(204, 68,  
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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