

Converting Colors

XYZ(34.9690, 26.9633, 9.1635)

Have a look what the booklet for
XYZ(34.9690, 26.9633, 9.1635)
contains.

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Color

**XYZ(34.9678, 26.9998,
9.1628)**

Conversions

Conversions Part 1

Format	Color
Hex	D67346
RGB	214, 115, 70
RGB Percent	84%, 45%, 27%
CMY	0.1608, 0.5490, 0.7255
CMYK	0.00, 0.46, 0.67, 0.16
HSL	19°, 64%, 56%
HSV	19°, 67%, 84%
XYZ	34.9678, 26.9998, 9.1628
YIQ	139.4710, 73.4490, 6.9930

Conversions

Conversions Part 2

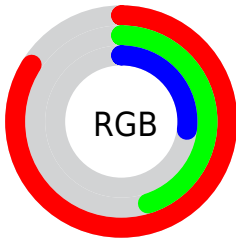
Format	Color
RYB	214, 135, 70
Decimal	14054214
CIELab	58.97, 35.11, 41.62
CIELCh	59, 54.452, 49.853
Yxy	26.9998, 0.4916, 0.3796
Android (android.graphics.Color)	4292244294 (0xFFD67346)
YUV	139.4710, -34.2492, 65.3619
Hunter-Lab	51.9613, 29.1907, 25.9178

Details

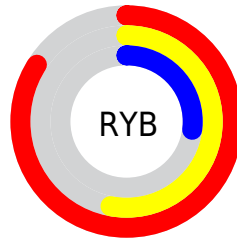
The XYZ color **34.9678, 26.9998, 9.1628** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **28.8503, 34.5310, 68.7626**, and the grayscale version is **24.8314, 26.1246, 28.4497**.

A 20% lighter version of the original color is **58.6328, 50.6213, 24.4499**, and **15.3714, 10.7125, 2.0682** is the 20% darker color. If you saturate the color by 10%, you get **32.8629, 23.6855, 5.7015**, and if you desaturate by 10%, it is **37.5823, 30.9487, 13.9814**.

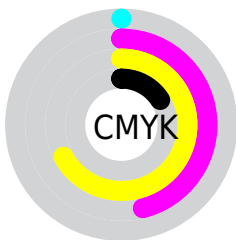
Distribution



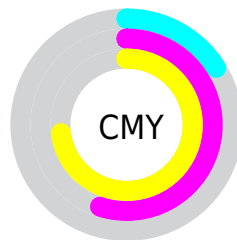
- Red (84%)
- Green (45%)
- Blue (27%)



- Red (84%)
- Yellow (53%)
- Blue (27%)



- Cyan (0%)
- Magenta (46%)
- Yellow (67%)
- Black (16%)





- Cyan (16%)
- Magenta (55%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9678, 26.9998, 9.1628 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 34.9678, 26.9998, 9.1628 by changing the saturation by 10% instead.


 34.9678, 26.9998,
9.1628


 34.9678, 26.9998,
9.1628


315.9367,
287.6562, 194.8503

 23.8045, 17.5731,
4.7493


 66.7702, 54.8835,
24.7911

 15.3126, 10.6439,
2.0448


 88.1400, 74.1094,
36.8430

 9.1268, 5.8279,
0.5826


 113.6427, 97.3703,
52.2781

 4.8818, 2.7407,
0.0000

 143.6436,
125.0508, 71.5149

 2.2121, 0.9979,
0.0000

 178.5081,
157.5353, 94.9720

 0.7491, 0.0000,
0.0000

218.6016,

 0.0000, 0.0000,

195.2080, 123.0679

0.0000

264.2893,
238.4535, 156.2212

■ 34.9678, 26.9998,
9.1628

■ 34.9678, 26.9998,
9.1628

■ 32.8629, 23.6855,
5.7015

■ 37.5823, 30.9487,
13.9814

■ 31.2262, 20.9654,
3.4501

■ 40.7393, 35.5608,
20.2809

■ 30.0083, 18.7990,
2.2135

■ 44.4710, 40.8678,
28.1723

■ 29.7317, 18.2965,
1.9646

■ 48.8061, 46.8982,
37.7556

■ 53.7714, 53.6786,
49.1225

■ 59.3920, 61.2342,
62.3580

■ 65.6916, 69.5893,
77.5418

■ 72.6925, 78.7667,
94.7487

■ 79.1680, 88.2893,
107.4767

Harmonies

Analogous

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



39.8994, 26.9998, 18.5004



34.9678, 26.9998, 9.1628



28.0164, 26.9998, 5.8962

Triad

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



34.9678, 26.9998, 9.1628



14.8942, 26.9998, 23.3267



30.3247, 26.9998, 80.0141

Complementary

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



34.9678, 26.9998, 9.1628



28.8503, 34.5310, 68.7626

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.



23.4443, 26.9998, 83.2275



34.9678, 26.9998, 9.1628



15.2929, 26.9998, 43.9057

Square

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



34.9678, 26.9998, 9.1628



16.9691, 26.9998, 11.3616



18.1744, 26.9998, 67.9212



36.9101, 26.9998, 60.4459

Rectangle

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



34.9678, 26.9998, 9.1628



23.5062, 26.9998, 5.8848



18.1744, 26.9998, 67.9212



27.9468, 26.9998, 83.2939

Sweetspot

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



34.9684, 27.0012, 9.1633



77.7164, 76.7743, 67.8496



37.2533, 21.6092, 40.6358



16.1820, 15.8156, 13.4847



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.



34.9684, 27.0012, 9.1633



47.6885, 33.2885, 6.7571



46.2278, 49.5199, 12.9164



12.7368, 13.0478, 13.0079



18.0532, 11.2237, 1.2149



1.1620, 0.8233, 0.0977

Inverse Universe

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



28.8503, 34.5310, 68.7626



37.8002, 44.8793, 101.2780



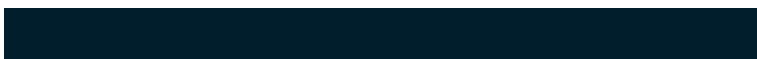
19.1064, 15.0432, 65.5146



12.4496, 13.4226, 15.8722



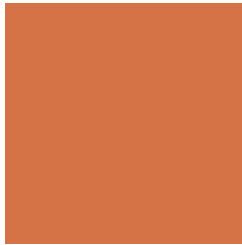
13.7505, 15.7629, 40.7710



0.9018, 1.0955, 2.4832

Previews

White Background



This preview shows how the XYZ color 34.9678, 26.9998, 9.1628 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 34.9678, 26.9998, 9.1628 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 34.9678, 26.9998, 9.1628

Background



This preview shows how black text looks on a background with the XYZ color 34.9678, 26.9998, 9.1628.



This preview shows how white text looks on a background with the XYZ color 34.9678, 26.9998,

9.1628.

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

34.9678, 26.9998, 9.1628

Protanopia

24.9889, 27.0786, 11.3068

Deuteranopia

27.6628, 27.2201, 8.7970



Tritanopia

37.2948, 26.9733, 20.0703

Trichromacy



Original Color

34.9678, 26.9998, 9.1628

Protanomaly

27.9159, 26.4893, 10.4791

Deuteranomaly

29.9675, 26.7907, 8.9019

Tritanomaly

36.3036, 26.8879, 15.3331

Monochromacy



Original Color

34.9678, 26.9998, 9.1628

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

26.7458, 25.2872, 19.3908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9678, 26.9998, 9.1628 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(214, 115, 70)` looks like.

```
.text, #text, p{  
    color:rgb(214, 115, 70)  
}
```

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(214, 115, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 115, 70) }
```

Border

The CSS property to change the border of an element to XYZ 34.9678, 26.9998, 9.1628 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(214, 115, 70) }
```


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

```
.border{ border-color:rgb(214, 115, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 115, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 115, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 115, 70);  
box-shadow:4px 4px 4px 4px rgb(214, 115,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9678, 26.9998, 9.1628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 115, 70) }
```

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

```
.background{ background-color: rgb(214,  
115, 70) }
```

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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