

Converting Colors

XYZ(34.1081, 27.7890, 3.5661)

Have a look what the booklet for
XYZ(34.1081, 27.7890, 3.5661)
contains.

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Color

**XYZ(33.9887, 27.6718,
3.5498)**

Conversions

Conversions Part 1

Format	Color
Hex	D47900
RGB	212, 121, 0
RGB Percent	83%, 47%, 0%
CMY	0.1686, 0.5255, 1.0000
CMYK	0.00, 0.43, 1.00, 0.17
HSL	34°, 100%, 42%
HSV	34°, 100%, 83%
XYZ	33.9887, 27.6718, 3.5498
YIQ	134.4150, 93.0770, -18.3390

Conversions

Conversions Part 2

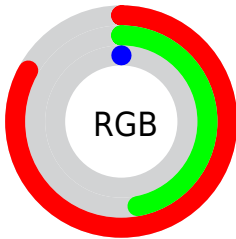
Format	Color
R_{YB}	159, 212, 0
Decimal	13924608
CIE Lab	59.59, 29.07, 66.44
CIE LCh	60, 72.520, 66.366
Yxy	27.6718, 0.5212, 0.4243
Android (android.graphics.Color)	4292114688 (0xFFD47900)
YUV	134.4150, -66.2666, 68.0420
Hunter-Lab	52.6040, 23.2761, 32.8218

Details

The XYZ color **33.9887, 27.6718, 3.5498** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **15.6248, 12.2358, 63.8249**, and the grayscale version is **23.0268, 24.2260, 26.3821**.

A 20% lighter version of the original color is **57.4502, 51.9618, 12.6319**, and **15.0157, 11.0858, 1.3484** is the 20% darker color. If you saturate the color by 10%, you get **33.9888, 27.6724, 3.5499**, and if you desaturate by 10%, it is **35.2852, 30.0454, 4.6593**.

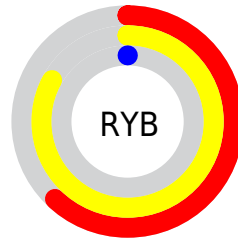
Distribution



Red (83%)

Green (47%)

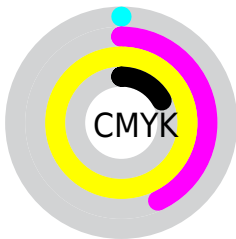
Blue (0%)



Red (62%)

Yellow (83%)

Blue (0%)

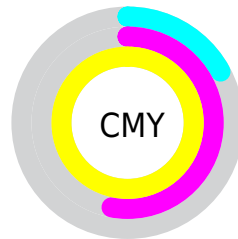


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (17%)



Cyan (17%)


Magenta (53%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9887, 27.6718, 3.5498 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 33.9887, 27.6718, 3.5498 by changing the saturation by 10% instead.


 33.9887, 27.6718,
3.5498


 33.9887, 27.6718,
3.5498


311.6685,
290.8953, 143.0817


 23.0478, 18.0784,
1.3818


 65.2605, 55.9600,
12.9574


 14.7497, 11.0063,
0.1274


 86.3221, 75.4236,
21.0340

 8.7291, 6.0711,
0.0000


 111.4879, 98.9461,
31.9173

 4.6206, 2.8883,
0.0000

 141.1234,
126.9119, 46.0257

 2.0589, 1.0737,
0.0000

 175.5938,
159.7053, 63.7778

 0.6667, 0.0000,
0.0000

 215.2646,

 0.0000, 0.0000,

197.7107, 85.5921

0.0000

260.5010,
241.3126, 111.8872

33.9887, 27.6718,
3.5498

33.9887, 27.6718,
3.5498

33.9888, 27.6724,
3.5499

35.2852, 30.0454,
4.6593

36.8388, 32.6919,
6.5976

38.7033, 35.6384,
9.6313

40.9088, 38.9010,
13.9069

43.4812, 42.4940,
19.5483

■ 46.4433, 46.4303,
26.6640

■ 49.8158, 50.7221,
35.3513

■ 53.6178, 55.3805,
45.6995

■ 57.8669, 60.4161,
57.7909

Harmonies

Analogous

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



43.1291, 27.6718, 9.0646



33.9887, 27.6718, 3.5498



24.4017, 27.6718, 2.6909

Triad

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



33.9887, 27.6718, 3.5498



12.4236, 27.6718, 36.0576



38.1491, 27.6718, 91.4889

Complementary

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



33.9887, 27.6718, 3.5498



15.6248, 12.2358, 63.8249

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.



28.2969, 27.6718, 112.8546



33.9887, 27.6718, 3.5498



14.5426, 27.6718, 70.8742

Square

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



33.9887, 27.6718, 3.5498



13.2699, 27.6718, 14.1298



19.8702, 27.6718, 103.6878



45.8939, 27.6718, 55.1260

Rectangle

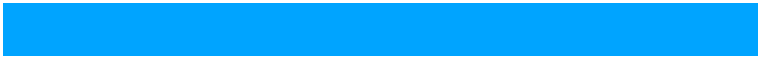
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.9887, 27.6718, 3.5498



19.2474, 27.6718, 3.7989



19.8702, 27.6718, 103.6878



34.8968, 27.6718, 101.3953

Sweetspot

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



33.9893, 27.6733, 3.5503



75.4911, 76.8242, 53.2329



29.0773, 14.7675, 11.4136



15.6762, 15.8363, 10.1336



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.



33.9893, 27.6733, 3.5503



51.4491, 41.6783, 5.3330



46.7967, 59.0741, 8.9362



13.0057, 13.5856, 13.0975



21.0845, 17.2862, 2.2253



1.3532, 1.2055, 0.1614

Inverse Universe

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



15.6248, 12.2358, 63.8249



23.5671, 18.2542, 96.8890



12.0669, 4.8481, 62.5865



12.1765, 12.8765, 15.7812



9.7409, 7.7436, 39.4344



0.6688, 0.6296, 2.4056

Previews

White Background



This preview shows how the XYZ color 33.9887, 27.6718, 3.5498 looks on a white background.

Color Contrast Check

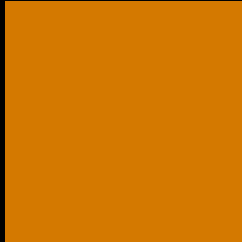
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.9887, 27.6718, 3.5498 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 33.9887, 27.6718, 3.5498

Background



This preview shows how black text looks on a background with the XYZ color 33.9887, 27.6718, 3.5498.



This preview shows how white text looks on a background with the XYZ color 33.9887, 27.6718,

3.5498.

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

33.9887, 27.6718, 3.5498

Protanopia

24.9747, 27.6684, 4.5545

Deuteranopia

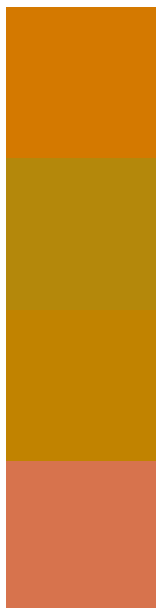
28.2371, 27.8364, 3.8847



Tritanopia

37.5643, 27.5677, 21.4304

Trichromacy



Original Color

33.9887, 27.6718, 3.5498

Protanomaly

27.6870, 27.3358, 4.1337

Deuteranomaly

30.1086, 27.5701, 3.7347

Tritanomaly

35.4946, 27.2444, 10.4091

Monochromacy



Original Color

33.9887, 27.6718, 3.5498

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

24.3902, 24.0378, 11.9486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9887, 27.6718, 3.5498 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(212, 121, 0)` looks like.

```
.text, #text, p{  
    color:rgb(212, 121, 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(212, 121, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 121, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.9887, 27.6718, 3.5498 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(212, 121, 0) }
```


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

```
.border{ border-color:rgb(212, 121, 0) }
```

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

Here you see how a box with a 4 pixel rgb(212, 121, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 121, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 121, 0);  
box-shadow:4px 4px 4px 4px rgb(212, 121,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9887, 27.6718, 3.5498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 121, 0) }
```

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

```
.background{ background-color: rgb(212,  
121, 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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