

Converting Colors

XYZ(34.8218, 33.7065, 4.6707)

Have a look what the booklet for
XYZ(34.8218, 33.7065, 4.6707)
contains.

| | |
|--|----|
| XYZ(34.6773, 33.5973, 4.6572) | 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(34.6773, 33.5973,
4.6572)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | C99400 |
| RGB | 201, 148, 0 |
| RGB Percent | 79%, 58%, 0% |
| CMY | 0.2118, 0.4196, 1.0000 |
| CMYK | 0.00, 0.26, 1.00, 0.21 |
| HSL | 44°, 100%, 39% |
| HSV | 44°, 100%, 79% |
| XYZ | 34.6773, 33.5973, 4.6572 |
| YIQ | 146.9750, 79.0960, -34.7920 |

Conversions

Conversions Part 2

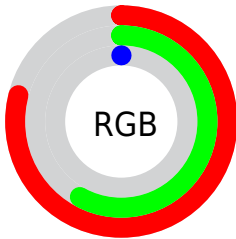
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 72, 201, 0 |
| Decimal | 13210624 |
| CIE Lab | 64.64, 9.68, 69.09 |
| CIE LCh | 65, 69.769, 82.021 |
| Yxy | 33.5973, 0.4755, 0.4607 |
| Android (android.graphics.Color) | 4291400704 (0xFFC99400) |
| YUV | 146.9750, -72.4587, 47.3799 |
| Hunter-Lab | 57.9632, 5.3546, 35.8104 |

Details

The XYZ color **34.6773, 33.5973, 4.6572** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **11.8160, 6.7637, 55.9407**, and the grayscale version is **27.9915, 29.4493, 32.0703**.

A 20% lighter version of the original color is **63.5631, 63.9821, 15.3030**, and **15.5230, 14.4861, 1.9780** is the 20% darker color. If you saturate the color by 10%, you get **34.6775, 33.5980, 4.6574**, and if you desaturate by 10%, it is **35.6557, 35.3508, 5.6111**.

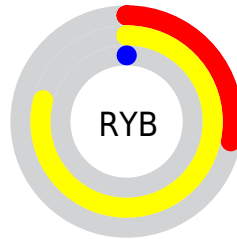
Distribution



Red (79%)

Green (58%)

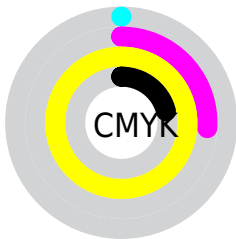
Blue (0%)



Red (28%)

Yellow (79%)

Blue (0%)

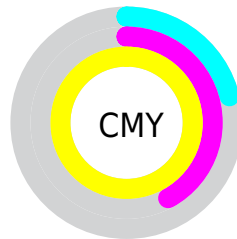


Cyan (0%)

Magenta (26%)

Yellow (100%)

Black (21%)



Cyan (21%)

Magenta (42%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6773, 33.5973, 4.6572 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 34.6773, 33.5973, 4.6572 by changing the saturation by 10% instead.

■ 34.6773, 33.5973,
4.6572

■ 34.6773, 33.5973,
4.6572

314.6747,
318.3327, 155.2718

■ 23.5798, 22.5844,
1.9924

■ 66.3229, 65.3069,
15.4991

■ 15.1452, 14.2869,
0.5506

■ 87.6016, 86.7725,
24.5133

■ 9.0083, 8.3205,
0.0000

■ 113.0048,
112.4910, 36.4811

■ 4.8038, 4.3007,
0.0000

■ 142.8977,
142.8470, 51.8209

■ 2.1662, 1.8432,
0.0000

■ 177.6459,
178.2247, 70.9514


■ 0.7248, 0.5139,
0.0000


■ 217.6145,


■ 0.0000, 0.0000,


219.0087, 94.2910


0.0000


 263.1690,
265.5832, 122.2583


 34.6773, 33.5973,
4.6572


 34.6773, 33.5973,
4.6572


 34.6775, 33.5980,
4.6574

 35.6557, 35.3508,
5.6111

 36.8041, 37.2326,
7.2732

 38.1695, 39.2637,
9.8851

 39.7764, 41.4547,
13.5744

 41.6459, 43.8146,
18.4487

■ 43.7962, 46.3516,
24.6027

■ 46.2440, 49.0730,
32.1213

■ 49.0044, 51.9856,
41.0821

■ 52.0914, 55.0958,
51.5570

Harmonies

Analogous

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



45.2877, 33.5973, 8.0793



34.6773, 33.5973, 4.6572



25.2523, 33.5973, 5.5959

Triad

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



34.6773, 33.5973, 4.6572



17.2185, 33.5973, 61.3590



49.6147, 33.5973, 82.0113

Complementary

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



34.6773, 33.5973, 4.6572



11.8160, 6.7637, 55.9407

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.



39.6993, 33.5973, 115.0653



34.6773, 33.5973, 4.6572



21.5018, 33.5973, 99.4233

Square

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



34.6773, 33.5973, 4.6572



16.4250, 33.5973, 29.4579



29.3379, 33.5973, 122.7092



55.0119, 33.5973, 44.7704

Rectangle

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



34.6773, 33.5973, 4.6572



20.7134, 33.5973, 9.0265



29.3379, 33.5973, 122.7092



46.6121, 33.5973, 94.6389

Sweetspot

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



34.6780, 33.5990, 4.6578



78.9857, 83.8136, 54.3978



24.7440, 12.6803, 4.5853



16.5111, 17.5060, 10.4118



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.



34.6780, 33.5990, 4.6578



59.1731, 57.1262, 7.9077



34.2324, 48.6530, 7.5871



11.2782, 11.9255, 11.2702



21.8821, 21.2815, 2.9544



1.0929, 1.1213, 0.1588

Inverse Universe

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



11.8160, 6.7637, 55.9407



20.0711, 11.2623, 95.7237



11.7107, 4.8194, 55.5709



10.2803, 10.7347, 13.4477



7.4938, 4.3815, 35.1951



0.4160, 0.3299, 1.6869

Previews

White Background



This preview shows how the XYZ color 34.6773, 33.5973, 4.6572 looks on a white background.

Color Contrast Check

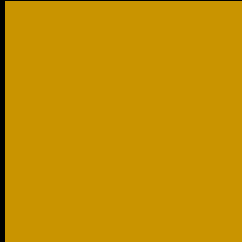
Large Text (above 18pt) WCAG AA × Fail

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 34.6773, 33.5973, 4.6572 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.6773, 33.5973, 4.6572

Background



This preview shows how black text looks on a background with the XYZ color 34.6773, 33.5973, 4.6572.



This preview shows how white text looks on a background with the XYZ color 34.6773, 33.5973,

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

34.6773, 33.5973, 4.6572

Protanopia

30.4187, 33.8250, 5.2422

Deuteranopia

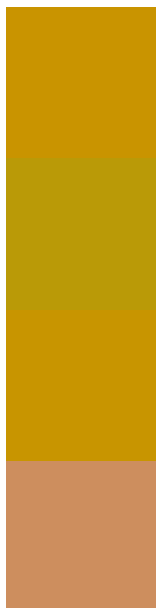
34.3006, 33.6370, 4.6848



Tritanopia

40.4462, 33.7250, 32.3948

Trichromacy



Original Color

34.6773, 33.5973, 4.6572

Protanomaly

31.8437, 33.5656, 5.0015

Deuteranomaly

34.5669, 33.7743, 4.6972

Tritanomaly

36.8702, 33.1333, 15.0418

Monochromacy



Original Color

34.6773, 33.5973, 4.6572

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.3904, 29.8911, 14.8629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6773, 33.5973, 4.6572 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(201, 148, 0)` looks like.

```
.text, #text, p{  
    color:rgb(201, 148, 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(201, 148, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 148, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.6773, 33.5973, 4.6572 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(201, 148, 0) }
```


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

```
.border{ border-color:rgb(201, 148, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 148, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 148, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 148, 0);  
box-shadow:4px 4px 4px 4px rgb(201, 148,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6773, 33.5973, 4.6572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 148, 0) }
```

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

```
.background{ background-color: rgb(201,  
148, 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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