

Converting Colors

XYZ(69.3924, 58.6843, 6.7435)

Have a look what the booklet for
XYZ(69.3924, 58.6843, 6.7435)
contains.

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Color

**XYZ(56.5700, 51.9199,
7.0400)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | FFAF00 |
| RGB | 255, 175, 0 |
| RGB Percent | 100%, 69%, 0% |
| CMY | 0.0000, 0.3137, 0.9999 |
| CMYK | 0.00, 0.31, 1.00, 0.00 |
| HSL | 41°, 100%, 50% |
| HSV | 41°, 100%, 100% |
| XYZ | 56.5700, 51.9199, 7.0400 |
| YIQ | 178.9700, 103.8550, -37.4650 |

Conversions

Conversions Part 2

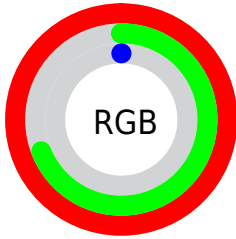
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 117, 255, 0 |
| Decimal | 16756480 |
| CIE Lab | 77.23, 18.72, 80.47 |
| CIE LCh | 77, 82.622, 76.906 |
| Yxy | 51.9199, 0.4897, 0.4494 |
| Android (android.graphics.Color) | 4294946560 (0xFFFFAF00) |
| YUV | 178.9700, -88.2322, 66.6783 |
| Hunter-Lab | 72.0555, 14.0414, 44.6460 |

Details

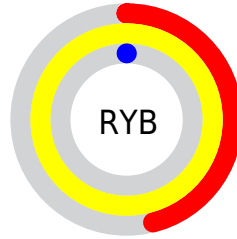
The XYZ color **56.5700, 51.9199, 7.0400** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **20.9196, 12.9590, 96.0059**, and the grayscale version is **43.2510, 45.5034, 49.5532**.

A 20% lighter version of the original color is **71.0220, 78.4477, 19.1832**, and **28.8212, 25.3724, 3.3783** is the 20% darker color. If you saturate the color by 10%, you get **56.5699, 51.9202, 7.0400**, and if you desaturate by 10%, it is **58.3557, 55.2021, 8.5287**.

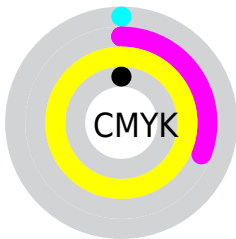
Distribution



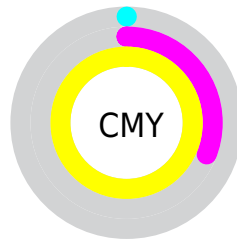
- Red (100%)
- Green (69%)
- Blue (0%)



- Red (46%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (31%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (31%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.5700, 51.9199, 7.0400 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 56.5700, 51.9199, 7.0400 by changing the saturation by 10% instead.


 56.5700, 51.9199,
7.0400

 56.5700, 51.9199,
7.0400


401.8764,
394.1273, 177.6392

 40.8989, 36.9412,
3.4083


 98.9725, 93.0131,
20.5679


 28.4274, 25.1620,
1.3067


 126.4346,
119.8964, 31.3011

 18.7902, 16.1978,
0.0673


 158.5577,
151.5167, 45.2387

 11.6219, 9.6642,
0.0000

 195.7072,
188.2585, 62.7990

 6.5571, 5.1769,
0.0000

 238.2485,
230.5060, 84.4007

 3.2306, 2.3514,
0.0000

 286.5469,

 1.2768, 0.8007,

278.6437, 110.4622

0.0000

340.9677,
333.0560, 141.4022

■ 0.1658, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.5700, 51.9199,
7.0400

■ 56.5700, 51.9199,
7.0400

■ 56.5699, 51.9202,
7.0400

■ 58.3557, 55.2021,
8.5287

■ 60.4699, 58.7635,
11.2895

■ 62.9872, 62.6387,
15.7031

■ 65.9532, 66.8482,
22.0021

69.4063, 71.4097,
30.3816

73.3802, 76.3389,
41.0122

77.9053, 81.6501,
54.0468

83.0091, 87.3566,
69.6246

88.7174, 93.4708,
87.8743

Harmonies

Analogous

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



73.2007, 51.9199, 13.7797



56.5700, 51.9199, 7.0400



41.0157, 51.9199, 7.4209

Triad

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



56.5700, 51.9199, 7.0400



25.5793, 51.9199, 85.8592



75.0787, 51.9199, 139.4473

Complementary

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



56.5700, 51.9199, 7.0400



20.9196, 12.9590, 96.0059

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.



58.7394, 51.9199, 187.6743



56.5700, 51.9199, 7.0400



31.3377, 51.9199, 147.0677

Square

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



56.5700, 51.9199, 7.0400



25.2426, 51.9199, 38.9940



42.7690, 51.9199, 191.0341



85.3272, 51.9199, 78.6690

Rectangle

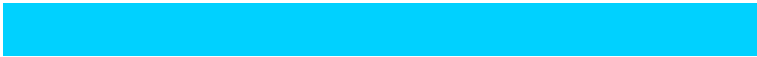
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.5700, 51.9199, 7.0400



33.2342, 51.9199, 11.5517



42.7690, 51.9199, 191.0341



69.9756, 51.9199, 158.8078

Sweetspot

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



56.5712, 51.9226, 7.0410



77.9022, 81.6466, 54.0366



42.7162, 21.8508, 9.7042



16.2512, 16.9863, 10.3252



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.



56.5712, 51.9226, 7.0410



56.5703, 51.9206, 7.0401



61.8434, 84.9661, 13.1412



19.0524, 20.0729, 19.0146



29.6989, 27.4090, 3.7252



2.9895, 2.8644, 0.3953

Inverse Universe

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



20.9196, 12.9590, 96.0059



20.9185, 12.9571, 96.0062



19.2116, 7.8191, 95.1038



17.4679, 18.3075, 22.8630



11.0473, 7.0042, 50.2043



1.1685, 0.8676, 4.9192

Previews

White Background



This preview shows how the XYZ color 56.5700, 51.9199, 7.0400 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 56.5700, 51.9199, 7.0400 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 56.5700, 51.9199, 7.0400

Background



This preview shows how black text looks on a background with the XYZ color 56.5700, 51.9199, 7.0400.

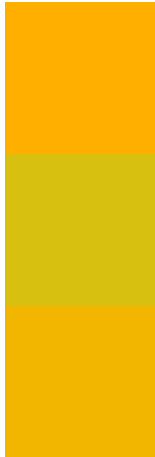


This preview shows how white text looks on a background with the XYZ color 56.5700, 51.9199,

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

56.5700, 51.9199, 7.0400

Protanopia

47.2621, 52.3356, 8.1010

Deuteranopia

53.1418, 51.9250, 7.2216



Tritanopia

62.9945, 52.0718, 48.3257

Trichromacy



Original Color

56.5700, 51.9199, 7.0400

Protanomaly

50.2468, 51.9627, 7.6687

Deuteranomaly

54.4779, 52.0144, 7.1685

Tritanomaly

58.5954, 51.2017, 22.4174

Monochromacy



Original Color

56.5700, 51.9199, 7.0400

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

44.6898, 46.3211, 22.5050

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.5700, 51.9199, 7.0400 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(255, 175, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 175, 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(255, 175, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 175, 0) }
```

Border

The CSS property to change the border of an element to XYZ 56.5700, 51.9199, 7.0400 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(255, 175, 0) }
```


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

```
.border{ border-color:rgb(255, 175, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 175, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 175, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 175, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 175,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 56.5700, 51.9199, 7.0400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 175, 0) }
```

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

```
.background{ background-color: rgb(255,  
175, 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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