

Converting Colors

XYZ(57.2253, 48.4474, 2.0046)

Have a look what the booklet for
XYZ(57.2253, 48.4474, 2.0046)
contains.

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Color

**XYZ(53.9849, 46.7497,
6.1783)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | FFA100 |
| RGB | 255, 161, 0 |
| RGB Percent | 100%, 63%, 0% |
| CMY | 0.0000, 0.3686, 0.9999 |
| CMYK | 0.00, 0.37, 1.00, 0.00 |
| HSL | 38°, 100%, 50% |
| HSV | 38°, 100%, 100% |
| XYZ | 53.9849, 46.7497, 6.1783 |
| YIQ | 170.7520, 107.7050, -30.1430 |

Conversions

Conversions Part 2

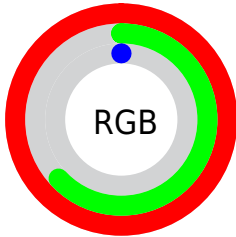
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 149, 255, 0 |
| Decimal | 16752896 |
| CIE Lab | 74.03, 26.02, 78.37 |
| CIE LCh | 74, 82.576, 71.633 |
| Yxy | 46.7497, 0.5049, 0.4373 |
| Android (android.graphics.Color) | 4294942976 (0xFFFFA100) |
| YUV | 170.7520, -84.1807, 73.8855 |
| Hunter-Lab | 68.3738, 21.2817, 42.5041 |

Details

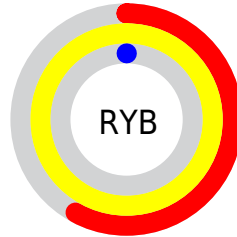
The XYZ color **53.9849, 46.7497, 6.1783** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **22.0535, 15.2269, 96.3838**, and the grayscale version is **38.9576, 40.9864, 44.6342**.

A 20% lighter version of the original color is **67.2071, 70.9362, 17.5470**, and **27.2069, 22.1437, 2.8402** is the 20% darker color. If you saturate the color by 10%, you get **53.9848, 46.7500, 6.1784**, and if you desaturate by 10%, it is **55.8719, 50.2346, 7.7006**.

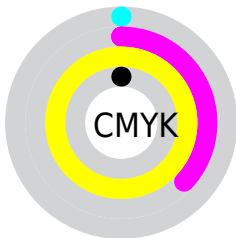
Distribution



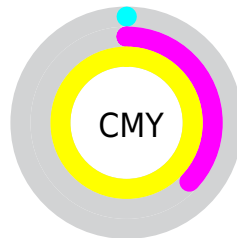
- Red (100%)
- Green (63%)
- Blue (0%)



- Red (58%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (37%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (37%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.9849, 46.7497, 6.1783 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 53.9849, 46.7497, 6.1783 by changing the saturation by 10% instead.


 53.9849, 46.7497,
6.1783


 53.9849, 46.7497,
6.1783


392.2517,
373.8145, 170.0130

 38.8202, 32.8378,
2.8833


 95.2091, 85.3399,
18.7839

 26.8000, 22.0022,
1.0353


 121.9993,
110.7870, 28.9315


 17.5589, 13.8585,
0.0000


 153.3954,
140.8479, 42.2004

 10.7315, 8.0223,
0.0000

 189.7628,
175.9072, 59.0091

 5.9526, 4.1093,
0.0000

 231.4667,
216.3490, 79.7762

 2.8566, 1.7349,
0.0000

 278.8726,

 1.0784, 0.4461,

262.5580, 104.9202

0.0000

332.3458,
314.9183, 134.8596

■ 0.0069, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 53.9849, 46.7497,
6.1783

■ 53.9849, 46.7497,
6.1783

■ 53.9848, 46.7500,
6.1784

■ 55.8719, 50.2346,
7.7006

■ 58.1199, 54.0636,
10.5059

■ 60.8043, 58.2730,
14.9749

■ 63.9717, 62.8854,
21.3409

67.6616, 67.9204,
29.7991

71.9084, 73.3955,
40.5205

76.7434, 79.3269,
53.6581

82.1953, 85.7296,
69.3517

88.2905, 92.6175,
87.7300

Harmonies

Analogous

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



69.1857, 46.7497, 13.7592



53.9849, 46.7497, 6.1783



38.9563, 46.7497, 5.5925

Triad

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



53.9849, 46.7497, 6.1783



22.0394, 46.7497, 69.1037



66.0689, 46.7497, 138.9620

Complementary

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



53.9849, 46.7497, 6.1783



22.0535, 15.2269, 96.3838

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.



50.4029, 46.7497, 179.1314



53.9849, 46.7497, 6.1783



26.4264, 46.7497, 126.1951

Square

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



53.9849, 46.7497, 6.1783



22.5842, 46.7497, 29.3558



36.0821, 46.7497, 173.4782



77.1576, 46.7497, 81.0309

Rectangle

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



53.9849, 46.7497, 6.1783



31.1556, 46.7497, 8.3338



36.0821, 46.7497, 173.4782



61.0336, 46.7497, 156.1285

Sweetspot

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



53.9859, 46.7521, 6.1792



76.7407, 79.3236, 53.6495



43.4332, 22.1375, 13.4796



15.9736, 16.4311, 10.2327



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.



53.9859, 46.7521, 6.1792



53.9852, 46.7504, 6.1784



66.8896, 87.5675, 13.3772



18.9654, 19.8989, 18.9856



28.3560, 24.7232, 3.2775



2.8654, 2.6161, 0.3539

Inverse Universe

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



22.0535, 15.2269, 96.3838



22.0525, 15.2251, 96.3842



18.5786, 7.4928, 95.0742



17.5513, 18.4743, 22.8908



11.6530, 8.2156, 50.4062



1.2347, 1.0001, 4.9412

Previews

White Background



This preview shows how the XYZ color 53.9849, 46.7497, 6.1783 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 53.9849, 46.7497, 6.1783 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 53.9849, 46.7497, 6.1783

Background



This preview shows how black text looks on a background with the XYZ color 53.9849, 46.7497, 6.1783.



This preview shows how white text looks on a background with the XYZ color 53.9849, 46.7497,

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

53.9849, 46.7497, 6.1783

Protanopia

42.4963, 47.0325, 7.4106

Deuteranopia

47.8986, 46.8761, 6.5235



Tritanopia

59.2421, 46.6868, 40.5394

Trichromacy



Original Color

53.9849, 46.7497, 6.1783

Protanomaly

46.1308, 46.5314, 6.8667

Deuteranomaly

50.1231, 46.9012, 6.4111

Tritanomaly

55.6272, 46.0364, 19.0507

Monochromacy



Original Color

53.9849, 46.7497, 6.1783

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

40.9362, 41.2981, 20.2818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.9849, 46.7497, 6.1783 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, 161, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 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, 161, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 0) }
```

Border

The CSS property to change the border of an element to XYZ 53.9849, 46.7497, 6.1783 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, 161, 0) }
```


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

```
.border{ border-color:rgb(255, 161, 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, 161, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 161, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 161, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 161,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 53.9849, 46.7497, 6.1783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 161, 0) }
```

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

```
.background{ background-color: rgb(255,  
161, 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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