

Converting Colors

XYZ(55.6185, 50.0169, 6.7229)

Have a look what the booklet for
XYZ(55.6185, 50.0169, 6.7229)
contains.

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Color

**XYZ(55.6147, 50.0095,
6.7216)**

Conversions

Conversions Part 1

Format	Color
Hex	FFAA00
RGB	255, 170, 0
RGB Percent	100%, 67%, 0%
CMY	0.0000, 0.3333, 0.9999
CMYK	0.00, 0.33, 1.00, 0.00
HSL	40°, 100%, 50%
HSV	40°, 100%, 100%
XYZ	55.6147, 50.0095, 6.7216
YIQ	176.0350, 105.2300, -34.8500

Conversions

Conversions Part 2

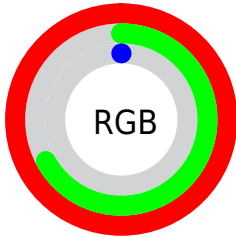
Format	Color
R _Y B	128, 255, 0
Decimal	16755200
CIE Lab	76.08, 21.33, 79.71
CIE LCh	76, 82.510, 75.020
Yxy	50.0095, 0.4950, 0.4451
Android (android.graphics.Color)	4294945280 (0xFFFFAA00)
YUV	176.0350, -86.7853, 69.2523
Hunter-Lab	70.7174, 16.6234, 43.8667

Details

The XYZ color **55.6147, 50.0095, 6.7216** 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 **21.2992, 13.7185, 96.1321**, and the grayscale version is **41.6876, 43.8586, 47.7620**.

A 20% lighter version of the original color is **69.6132, 75.6896, 18.5300**, and **28.2167, 24.1633, 3.1768** is the 20% darker color. If you saturate the color by 10%, you get **55.6146, 50.0098, 6.7217**, and if you desaturate by 10%, it is **57.4422, 53.3752, 8.2242**.

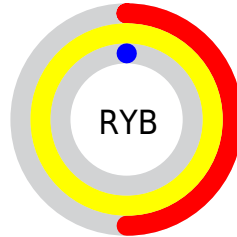
Distribution



Red (100%)

Green (67%)

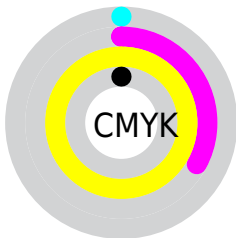
Blue (0%)



Red (50%)

Yellow (100%)

Blue (0%)

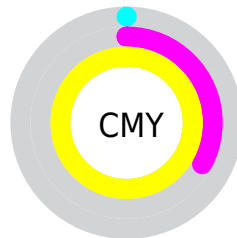


Cyan (0%)

Magenta (33%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (33%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.6147, 50.0095, 6.7216 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 55.6147, 50.0095, 6.7216 by changing the saturation by 10% instead.


 55.6147, 50.0095,
6.7216


 55.6147, 50.0095,
6.7216


398.3365,
386.7031, 174.8722

 40.1299, 35.4209,
3.2128

 97.5841, 90.1890,
19.9142

 27.8245, 23.9873,
1.2043


 124.7994,
116.5486, 30.4350


 18.3332, 15.3242,
0.0000


 156.6555,
147.6008, 44.1303

 11.2906, 9.0472,
0.0000

 193.5178,
183.7299, 61.4186

 6.3314, 4.7720,
0.0000

 235.7517,
225.3203, 82.7183

 3.0902, 2.1141,
0.0000

 283.7226,

 1.2016, 0.6726,

272.7563, 108.4482

0.0000

337.7957,
326.4225, 139.0266

■ 0.1077, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.6147, 50.0095,
6.7216

■ 55.6147, 50.0095,
6.7216

■ 55.6146, 50.0098,
6.7217

■ 57.4422, 53.3752,
8.2242

■ 59.6093, 57.0425,
11.0025

■ 62.1910, 61.0465,
15.4375

■ 65.2331, 65.4082,
21.7617

■ 68.7743, 70.1460,
30.1705

■ 72.8487, 75.2762,
40.8345

■ 77.4869, 80.8137,
53.9066

■ 82.7167, 86.7724,
69.5263

■ 88.5643, 93.1650,
87.8222

Harmonies

Analogous

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



71.7186, 50.0095, 13.7687



55.6147, 50.0095, 6.7216



40.2561, 50.0095, 6.7254

Triad

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



55.6147, 50.0095, 6.7216



24.2640, 50.0095, 79.5520



71.7378, 50.0095, 139.2165

Complementary

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



55.6147, 50.0095, 6.7216



21.2992, 13.7185, 96.1321

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.



55.6368, 50.0095, 184.5086



55.6147, 50.0095, 6.7216



29.5056, 50.0095, 139.2947

Square

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



55.6147, 50.0095, 6.7216



24.2605, 50.0095, 35.3220



40.2740, 50.0095, 184.5432



82.3078, 50.0095, 79.4785

Rectangle

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



55.6147, 50.0095, 6.7216



32.4688, 50.0095, 10.3167



40.2740, 50.0095, 184.5432



66.6557, 50.0095, 157.7800

Sweetspot

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



55.6158, 50.0121, 6.7225



77.4843, 80.8106, 53.8973



42.8799, 21.9162, 10.5669



16.1512, 16.7863, 10.2919



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.



55.6158, 50.0121, 6.7225



55.6152, 50.0103, 6.7217



63.0561, 85.5911, 13.1978



19.0212, 20.0106, 19.0042



29.2031, 26.4175, 3.5599



2.9440, 2.7733, 0.3801

Inverse Universe

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



21.2992, 13.7185, 96.1321



21.2983, 13.7166, 96.1328



19.0260, 7.7235, 95.0948



17.4977, 18.3669, 22.8729



11.2507, 7.4111, 50.2721



1.1911, 0.9129, 4.9267

Previews

White Background



This preview shows how the XYZ color 55.6147, 50.0095, 6.7216 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 55.6147, 50.0095, 6.7216 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 55.6147, 50.0095, 6.7216

Background



This preview shows how black text looks on a background with the XYZ color 55.6147, 50.0095, 6.7216.



This preview shows how white text looks on a background with the XYZ color 55.6147, 50.0095,

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

55.6147, 50.0095, 6.7216

Protanopia

45.2358, 50.0040, 7.7979

Deuteranopia

51.1803, 50.0179, 6.9569



Tritanopia

61.6067, 50.0792, 45.4490

Trichromacy



Original Color

55.6147, 50.0095, 6.7216

Protanomaly

48.5792, 49.5659, 7.3234

Deuteranomaly

52.6382, 49.8930, 6.8560

Tritanomaly

57.4555, 49.2744, 20.9507

Monochromacy



Original Color

55.6147, 50.0095, 6.7216

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

43.2375, 44.4211, 21.6245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.6147, 50.0095, 6.7216 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, 170, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 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, 170, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 0) }
```

Border

The CSS property to change the border of an element to XYZ 55.6147, 50.0095, 6.7216 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, 170, 0) }
```


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

```
.border{ border-color:rgb(255, 170, 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, 170, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 55.6147, 50.0095, 6.7216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 170, 0) }
```

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

```
.background{ background-color: rgb(255,  
170, 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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