

Converting Colors

XYZ(55.4391, 49.5978, 6.8494)

Have a look what the booklet for
XYZ(55.4391, 49.5978, 6.8494)
contains.

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Color

**XYZ(55.4663, 49.6513,
6.8613)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA907
RGB	255, 169, 7
RGB Percent	100%, 66%, 3%
CMY	0.0000, 0.3372, 0.9725
CMYK	0.00, 0.34, 0.97, 0.00
HSL	39°, 100%, 51%
HSV	39°, 97%, 100%
XYZ	55.4663, 49.6513, 6.8613
YIQ	176.2460, 103.2580, -32.1500

Conversions

Conversions Part 2

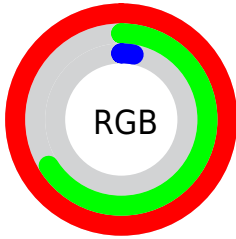
Format	Color
R_{YB}	139, 255, 7
Decimal	16754951
CIE Lab	75.85, 21.91, 78.78
CIE LCh	76, 81.771, 74.462
Yxy	49.6513, 0.4953, 0.4434
Android (android.graphics.Color)	4294945031 (0xFFFFA907)
YUV	176.2460, -83.4383, 69.0673
Hunter-Lab	70.4637, 17.1969, 43.5513

Details

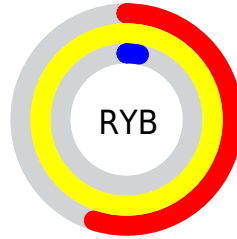
The XYZ color **55.4663, 49.6513, 6.8613** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **22.0528, 15.0955, 96.3583**, and the grayscale version is **41.7820, 43.9580, 47.8702**.

A 20% lighter version of the original color is **69.4186, 75.1805, 18.8352**, and **28.0995, 23.9290, 3.1378** is the 20% darker color. If you saturate the color by 10%, you get **54.9804, 48.7414, 6.5102**, and if you desaturate by 10%, it is **57.3980, 53.1480, 8.6371**.

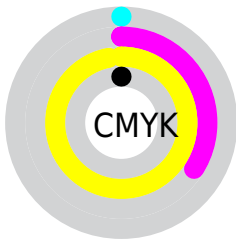
Distribution



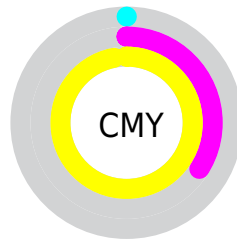
- Red (100%)
- Green (66%)
- Blue (3%)



- Red (55%)
- Yellow (100%)
- Blue (3%)



- Cyan (0%)
- Magenta (34%)
- Yellow (97%)
- Black (0%)





- Cyan (0%)
- Magenta (34%)
- Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.4663, 49.6513, 6.8613 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 55.4663, 49.6513, 6.8613 by changing the saturation by 10% instead.


 55.4663, 49.6513,
6.8613


 55.4663, 49.6513,
6.8613


397.7848,
385.3007, 176.0932

 40.0105, 35.1364,
3.2984

 97.3682, 89.6580,
20.2017


 27.7310, 23.7680,
1.2489


 124.5449,
115.9186, 30.8163


 18.2624, 15.1616,
0.0194


 156.3594,
146.8633, 44.6185

 11.2394, 8.9329,
0.0000

 193.1770,
182.8763, 62.0270

 6.2965, 4.6974,
0.0000

 235.3629,
224.3422, 83.4601

 3.0686, 2.0708,
0.0000

 283.2826,

 1.1901, 0.6482,

271.6453, 109.3365

0.0000

337.3015,
325.1700, 140.0746

■ 0.0986, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.4663, 49.6513,
6.8613

■ 55.4663, 49.6513,
6.8613

■ 54.9804, 48.7414,
6.5102

■ 57.3980, 53.1480,
8.6371

■ 59.7089, 56.9757,
11.8557

■ 62.4562, 61.1627,
16.8025

■ 65.6835, 65.7296,
23.6980

69.4285, 70.6947,
32.7300

73.7241, 76.0742,
44.0636

78.6005, 81.8831,
57.8478

84.0854, 88.1353,
74.2191

90.2042, 94.8441,
93.3035

Harmonies

Analogous

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



71.2886, 49.6513, 14.0624



55.4663, 49.6513, 6.8613



40.2600, 49.6513, 6.7590

Triad

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



55.4663, 49.6513, 6.8613



24.1634, 49.6513, 77.7873



70.7783, 49.6513, 138.5602

Complementary

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



55.4663, 49.6513, 6.8613



22.0528, 15.0955, 96.3583

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.



54.8774, 49.6513, 182.4475



55.4663, 49.6513, 6.8613



29.2480, 49.6513, 136.4869

Square

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



55.4663, 49.6513, 6.8613



24.2546, 49.6513, 34.5888



39.7846, 49.6513, 181.5328



81.3408, 49.6513, 79.7404

Rectangle

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



55.4663, 49.6513, 6.8613



32.5048, 49.6513, 10.2393



39.7846, 49.6513, 181.5328



65.7466, 49.6513, 156.6714

Sweetspot

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



55.4674, 49.6539, 6.8622



77.7037, 80.8344, 55.2501



43.3277, 22.2169, 12.5499



16.1806, 16.7671, 10.5419



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.



55.4674, 49.6539, 6.8622



54.9809, 48.7418, 6.5103



64.6523, 86.4096, 13.4727



18.9999, 19.9680, 18.9971



28.8737, 25.7586, 3.4501



2.9135, 2.7124, 0.3700

Inverse Universe

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



22.0528, 15.0955, 96.3583



21.5747, 14.2695, 96.2249



19.1740, 7.9125, 95.1235



17.5181, 18.4077, 22.8797



11.3984, 7.7064, 50.3213



1.2073, 0.9452, 4.9321

Previews

White Background



This preview shows how the XYZ color 55.4663, 49.6513, 6.8613 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 55.4663, 49.6513, 6.8613 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 55.4663, 49.6513, 6.8613

Background



This preview shows how black text looks on a background with the XYZ color 55.4663, 49.6513, 6.8613.



This preview shows how white text looks on a background with the XYZ color 55.4663, 49.6513,

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

55.4663, 49.6513, 6.8613

Protanopia

44.9564, 49.8590, 7.8266

Deuteranopia

50.8454, 49.8453, 6.9413



Tritanopia

61.3356, 49.6900, 44.8865

Trichromacy



Original Color

55.4663, 49.6513, 6.8613

Protanomaly

48.2817, 49.4103, 7.4079

Deuteranomaly

52.6546, 49.8996, 6.9425

Tritanomaly

57.3847, 48.9586, 21.4644

Monochromacy



Original Color

55.4663, 49.6513, 6.8613

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

43.2149, 44.1041, 22.4549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.4663, 49.6513, 6.8613 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, 169, 7)` looks like.

```
.text, #text, p{  
    color:rgb(255, 169, 7)  
}
```

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, 169, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 169, 7) }
```

Border

The CSS property to change the border of an element to XYZ 55.4663, 49.6513, 6.8613 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, 169, 7) }
```


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

```
.border{ border-color:rgb(255, 169, 7) }
```

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

Here you see how a box with a 4 pixel rgb(255, 169, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 169, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 169, 7);  
box-shadow:4px 4px 4px 4px rgb(255, 169,  
7) }
```

Background

The CSS property to change the background color of an element to XYZ 55.4663, 49.6513, 6.8613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 169, 7) }
```

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

```
.background{ background-color: rgb(255,  
169, 7) }
```

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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