

Converting Colors

XYZ(55.9741, 49.8032, 9.6929)

Have a look what the booklet for
XYZ(55.9741, 49.8032, 9.6929)
contains.

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Color

**XYZ(56.0037, 49.8662,
9.6910)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA932
RGB	255, 169, 50
RGB Percent	100%, 66%, 20%
CMY	0.0000, 0.3372, 0.8039
CMYK	0.00, 0.34, 0.80, 0.00
HSL	35°, 100%, 60%
HSV	35°, 80%, 100%
XYZ	56.0037, 49.8662, 9.6910
YIQ	181.1480, 89.4550, -18.7770

Conversions

Conversions Part 2

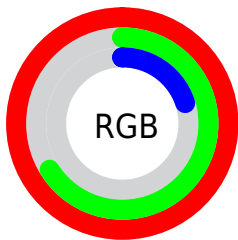
Format	Color
RYB	198, 255, 50
Decimal	16754994
CIELab	75.99, 22.68, 69.30
CIELCh	76, 72.919, 71.879
Yxy	49.8662, 0.4846, 0.4315
Android (android.graphics.Color)	4294945074 (0xFFFFA932)
YUV	181.1480, -64.6560, 64.7682
Hunter-Lab	70.6160, 17.9857, 41.2945

Details

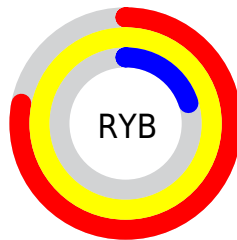
The XYZ color **56.0037, 49.8662, 9.6910** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **28.1691, 25.5054, 98.0455**, and the grayscale version is **44.3075, 46.6150, 50.7637**.

A 20% lighter version of the original color is **70.4972, 75.6119, 24.5146**, and **28.3536, 24.0600, 3.1497** is the 20% darker color. If you saturate the color by 10%, you get **53.6897, 45.8876, 6.9193**, and if you desaturate by 10%, it is **58.7886, 54.2979, 14.1295**.

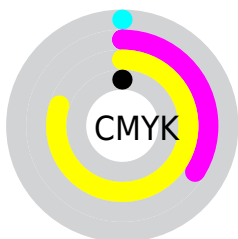
Distribution



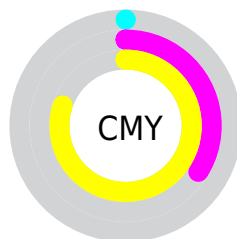
- Red (100%)
- Green (66%)
- Blue (20%)



- Red (78%)
- Yellow (100%)
- Blue (20%)



- Cyan (0%)
- Magenta (34%)
- Yellow (80%)
- Black (0%)




- Cyan (0%)
- Magenta (34%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.0037, 49.8662, 9.6910 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 56.0037, 49.8662, 9.6910 by changing the saturation by 10% instead.


 56.0037, 49.8662,
9.6910

 56.0037, 49.8662,
9.6910


399.7802,
386.1425, 198.8563


 40.4429, 35.3071,
5.0917

 98.1498, 89.9766,
25.8113


 28.0698, 23.8995,
2.2415


 125.4657,
116.2967, 38.1694


 18.5190, 15.2591,
0.6981


 157.4308,
147.3059, 53.9507

 11.4252, 9.0014,
0.0000

 194.4104,
183.3886, 73.5740

 6.4230, 4.7421,
0.0000

 236.7697,
224.9292, 97.4576

 3.1470, 2.0968,
0.0000

 284.8743,

 1.2320, 0.6628,

272.3121, 126.0202

0.0000

339.0893,
325.9218, 159.6802

■ 0.1314, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.0037, 49.8662,
9.6910

■ 56.0037, 49.8662,
9.6910

■ 53.6897, 45.8876,
6.9193

■ 58.7886, 54.2979,
14.1295

■ 51.8345, 42.4495,
5.4616

■ 62.0892, 59.2003,
20.4673

■ 65.9476, 64.5980,
28.9024

■ 70.3996, 70.5112,
39.6069

■ 75.4778, 76.9581,
52.7350

■ 81.2118, 83.9561,
68.4270

■ 87.6293, 91.5213,
86.8126

94.7563, 99.6691,
108.0127

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



69.6540, 49.8662, 18.0763



56.0037, 49.8662, 9.6910



42.2148, 49.8662, 9.0372

Triad

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



56.0037, 49.8662, 9.6910



26.1357, 49.8662, 71.2166



67.0836, 49.8662, 131.3229

Complementary

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



56.0037, 49.8662, 9.6910



28.1691, 25.5054, 98.0455

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.



52.9854, 49.8662, 165.5018



56.0037, 49.8662, 9.6910



30.4707, 49.8662, 121.2040

Square

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



56.0037, 49.8662, 9.6910



26.6344, 49.8662, 34.1749



39.7194, 49.8662, 161.1041



76.8461, 49.8662, 81.0786

Rectangle

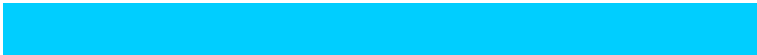
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.0037, 49.8662, 9.6910



34.8839, 49.8662, 12.2986



39.7194, 49.8662, 161.1041



62.5914, 49.8662, 145.9507

Sweetspot

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



56.0048, 49.8688, 9.6919



79.0652, 81.3661, 62.4593



47.0287, 25.4007, 26.7872



16.4880, 16.8837, 12.1803



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.



56.0048, 49.8688, 9.6919



52.5746, 43.8397, 5.9838



72.7250, 90.5093, 16.6551



18.8854, 19.7389, 18.9590



27.2358, 22.4829, 2.9041



2.7599, 2.4053, 0.3188

Inverse Universe

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



28.1691, 25.5054, 98.0455



24.0705, 19.0715, 97.0202



21.2836, 10.5805, 95.5276



17.6292, 18.6299, 22.9167



12.3168, 9.5431, 50.6274



1.3044, 1.1394, 4.9645

Previews

White Background



This preview shows how the XYZ color 56.0037, 49.8662, 9.6910 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 56.0037, 49.8662, 9.6910 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 56.0037, 49.8662, 9.6910

Background



This preview shows how black text looks on a background with the XYZ color 56.0037, 49.8662, 9.6910.



This preview shows how white text looks on a background with the XYZ color 56.0037, 49.8662,

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

56.0037, 49.8662, 9.6910

Protanopia

45.2512, 49.9439, 10.8696

Deuteranopia

51.0056, 49.8709, 9.5225



Tritanopia

61.4313, 49.7283, 45.3905

Trichromacy



Original Color

56.0037, 49.8662, 9.6910

Protanomaly

48.5305, 49.4735, 10.3597

Deuteranomaly

52.8052, 49.9199, 9.5417

Tritanomaly

58.4117, 49.3694, 26.8727

Monochromacy



Original Color

56.0037, 49.8662, 9.6910

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

45.9682, 46.5476, 28.7521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.0037, 49.8662, 9.6910 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, 50)` looks like.

```
.text, #text, p{  
    color:rgb(255, 169, 50)  
}
```

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, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 169, 50) }
```

Border

The CSS property to change the border of an element to XYZ 56.0037, 49.8662, 9.6910 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, 50) }
```


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

```
.border{ border-color:rgb(255, 169, 50) }
```

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, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 169, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 169, 50);  
box-shadow:4px 4px 4px 4px rgb(255, 169,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 56.0037, 49.8662, 9.6910 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, 50) }
```

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

```
.background{ background-color: rgb(255,  
169, 50) }
```

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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