

Converting Colors

XYZ(71.1242, 56.8508, 13.2923)

Have a look what the booklet for
XYZ(71.1242, 56.8508, 13.2923)
contains.

XYZ(56.0459, 49.0003, 12.6350)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(56.0459, 49.0003,
12.6350)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA648
RGB	255, 166, 72
RGB Percent	100%, 65%, 28%
CMY	0.0000, 0.3490, 0.7176
CMYK	0.00, 0.35, 0.72, 0.00
HSL	31°, 100%, 64%
HSV	31°, 72%, 100%
XYZ	56.0459, 49.0003, 12.6350
YIQ	181.8950, 83.2180, -10.3660

Conversions

Conversions Part 2

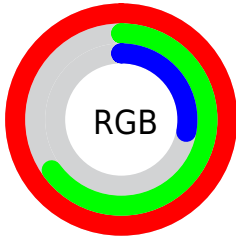
Format	Color
RYB	245, 255, 72
Decimal	16754248
CIELab	75.45, 25.09, 60.12
CIELCh	75, 65.150, 67.346
Yxy	49.0003, 0.4763, 0.4164
Android (android.graphics.Color)	4294944328 (0xFFFFA648)
YUV	181.8950, -54.1782, 64.1131
Hunter-Lab	70.0002, 20.4162, 38.2983

Details

The XYZ color **56.0459, 49.0003, 12.6350** 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 **33.4666, 34.0858, 99.4224**, and the grayscale version is **44.6614, 46.9873, 51.1692**.

A 20% lighter version of the original color is **70.7981, 74.4536, 30.0416**, and **28.0823, 23.4011, 3.4175** is the 20% darker color. If you saturate the color by 10%, you get **53.2336, 44.4426, 8.4096**, and if you desaturate by 10%, it is **59.4226, 54.1357, 18.7500**.

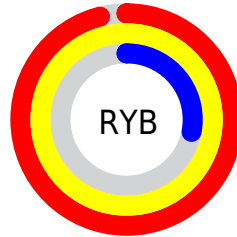
Distribution



Red (100%)

Green (65%)

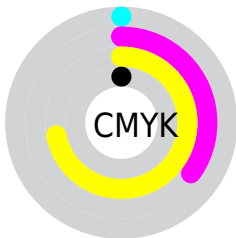
Blue (28%)



Red (96%)

Yellow (100%)

Blue (28%)

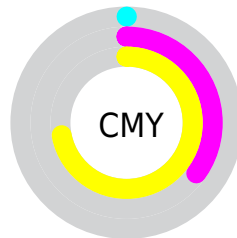


Cyan (0%)

Magenta (35%)

Yellow (72%)

Black (0%)



Cyan (0%)


Magenta (35%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.0459, 49.0003, 12.6350 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 56.0459, 49.0003, 12.6350 by changing the saturation by 10% instead.


 56.0459, 49.0003,
12.6350

 56.0459, 49.0003,
12.6350


399.9367,
382.7435, 219.6900

 40.4769, 34.6197,
7.0499


 98.2111, 88.6919,
31.3280

 28.0964, 23.3701,
3.4144


 125.5380,
114.7717, 45.2730


 18.5392, 14.8670,
1.3099


 157.5149,
145.5200, 62.8417

 11.4398, 8.7261,
0.0699

 194.5071,
181.3213, 84.4527

 6.4329, 4.5630,
0.0000

 236.8801,
222.5599, 110.5245

 3.1532, 1.9932,
0.0000

284.9991,

 1.2353, 0.6035,

269.6202, 141.4756

0.0000

339.2295,
322.8866, 177.7246

■ 0.1340, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.0459, 49.0003,
12.6350

■ 56.0459, 49.0003,
12.6350

■ 53.2336, 44.4426,
8.4096

■ 59.4226, 54.1357,
18.7500

■ 50.9303, 40.4245,
5.8280

■ 63.4041, 59.8682,
26.9538

■ 49.3549, 37.4902,
4.6350

■ 68.0303, 66.2248,
37.4232

■ 73.3361, 73.2282,
50.3150

79.3534, 80.8996,
65.7722

86.1121, 89.2591,
83.9262

93.6400, 98.3257,
104.8996

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



67.4492, 49.0003, 22.4496



56.0459, 49.0003, 12.6350



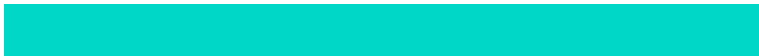
43.6827, 49.0003, 10.9688

Triad

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



56.0459, 49.0003, 12.6350



27.2196, 49.0003, 62.2637



62.0332, 49.0003, 125.0905

Complementary

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



56.0459, 49.0003, 12.6350



33.4666, 34.0858, 99.4224

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.



49.5888, 49.0003, 149.4961



56.0459, 49.0003, 12.6350



30.5217, 49.0003, 104.3683

Square

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



56.0459, 49.0003, 12.6350



28.3477, 49.0003, 31.7190



38.2331, 49.0003, 140.6156



71.2997, 49.0003, 83.0948

Rectangle

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



56.0459, 49.0003, 12.6350



36.7505, 49.0003, 13.5313



38.2331, 49.0003, 140.6156



58.0068, 49.0003, 136.2947

Sweetspot

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



56.0470, 49.0028, 12.6359



79.2031, 80.7108, 65.3763



50.2131, 28.5573, 37.7518



16.5891, 16.8167, 13.0438



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.



56.0470, 49.0028, 12.6359



52.1993, 42.6763, 7.1313



78.1692, 93.2472, 20.0100



18.7810, 19.5303, 18.9242



25.9393, 19.8899, 2.4720



2.6350, 2.1554, 0.2772

Inverse Universe

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



33.4666, 34.0858, 99.4224



28.4918, 27.0391, 98.3251



23.0402, 13.2329, 95.9469



17.7322, 18.8360, 22.9511



13.3464, 11.6024, 50.9706



1.4084, 1.3474, 4.9991

Previews

White Background



This preview shows how the XYZ color 56.0459, 49.0003, 12.6350 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 56.0459, 49.0003, 12.6350 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 56.0459, 49.0003, 12.6350

Background



This preview shows how black text looks on a background with the XYZ color 56.0459, 49.0003, 12.6350.



This preview shows how white text looks on a background with the XYZ color 56.0459, 49.0003,

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

56.0459, 49.0003, 12.6350

Protanopia

44.8776, 49.3561, 14.3691

Deuteranopia

50.0750, 49.0298, 12.4547



Tritanopia

60.7996, 48.9208, 43.7743

Trichromacy



Original Color

56.0459, 49.0003, 12.6350

Protanomaly

48.1651, 48.6093, 13.6814

Deuteranomaly

51.9842, 48.8546, 12.4844

Tritanomaly

58.4634, 48.8219, 28.8965

Monochromacy



Original Color

56.0459, 49.0003, 12.6350

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

46.7023, 46.5590, 32.1165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.0459, 49.0003, 12.6350 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, 166, 72)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 72)  
}
```

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, 166, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 72) }
```

Border

The CSS property to change the border of an element to XYZ 56.0459, 49.0003, 12.6350 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, 166, 72) }
```


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

```
.border{ border-color:rgb(255, 166, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 166, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 72);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 56.0459, 49.0003, 12.6350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 166, 72) }
```

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

```
.background{ background-color: rgb(255,  
166, 72) }
```

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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