

Converting Colors

XYZ(57.4726, 40.7495, 8.7578)

Have a look what the booklet for
XYZ(57.4726, 40.7495, 8.7578)
contains.

XYZ(49.5679, 36.7342, 8.3488)	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(49.5679, 36.7342,
8.3488)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7F39
RGB	255, 127, 57
RGB Percent	100%, 50%, 22%
CMY	0.0000, 0.5019, 0.7765
CMYK	0.00, 0.50, 0.78, 0.00
HSL	21°, 100%, 61%
HSV	21°, 78%, 100%
XYZ	49.5679, 36.7342, 8.3488
YIQ	157.2920, 98.7580, 5.3660

Conversions

Conversions Part 2

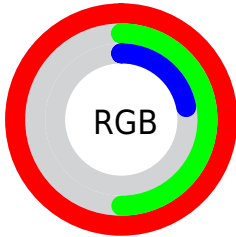
Format	Color
R _Y B	255, 165, 57
Decimal	16744249
CIE Lab	67.08, 44.37, 58.27
CIE LCh	67, 73.239, 52.712
Yxy	36.7342, 0.5237, 0.3881
Android (android.graphics.Color)	4294934329 (0xFFFF7F39)
YUV	157.2920, -49.4440, 85.6899
Hunter-Lab	60.6087, 39.9181, 34.2590

Details

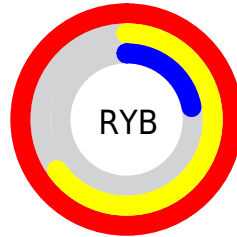
The XYZ color **49.5679, 36.7342, 8.3488** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **37.0848, 42.7848, 100.9107**, and the grayscale version is **32.3654, 34.0509, 37.0814**.

A 20% lighter version of the original color is **60.7283, 55.8200, 22.0416**, and **23.9346, 15.9739, 1.8218** is the 20% darker color. If you saturate the color by 10%, you get **47.1264, 32.6268, 5.1451**, and if you desaturate by 10%, it is **52.6784, 41.6698, 13.3498**.

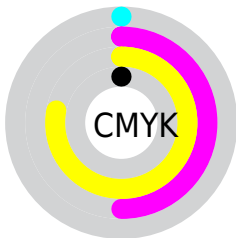
Distribution



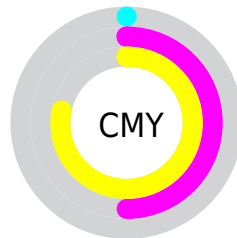
- Red (100%)
- Green (50%)
- Blue (22%)



- Red (100%)
- Yellow (65%)
- Blue (22%)



- Cyan (0%)
- Magenta (50%)
- Yellow (78%)
- Black (0%)





- Cyan (0%)
- Magenta (50%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5679, 36.7342, 8.3488 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 49.5679, 36.7342, 8.3488 by changing the saturation by 10% instead.


 49.5679, 36.7342,
8.3488


 49.5679, 36.7342,
8.3488

375.4537,
332.1583, 188.4784

 35.2866, 25.0018,
4.2280


 88.7300, 70.1638,
23.1968

 24.0513, 16.0784,
1.7512


 114.3415, 92.6297,
34.7611

 15.4966, 9.5796,
0.3955


 144.4604,
119.4423, 49.6436

 9.2572, 5.1211,
0.0000

 179.4520,
150.9859, 68.2628

 4.9678, 2.3185,
0.0000

 219.6819,
187.6449, 91.0374

 2.2629, 0.7835,
0.0000

 265.5152,

 0.7756, 0.0000,

229.8037, 118.3858

0.0000

317.3174,
277.8467, 150.7266

■ 0.0000, 0.0000,
0.0000

■ 49.5679, 36.7342,
8.3488

■ 49.5679, 36.7342,
8.3488

■ 47.1264, 32.6268,
5.1451

■ 52.6784, 41.6698,
13.3498

■ 45.2789, 29.2857,
3.4386

■ 56.5132, 47.4759,
20.3731

■ 44.9094, 28.5993,
3.1532

■ 61.1238, 54.1986,
29.6124

■ 66.5554, 61.8782,
41.2376

■ 72.8497, 70.5527,
55.4022

80.0451, 80.2577,
72.2464

88.1776, 91.0269,
91.9003

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.



58.6395, 36.7342, 20.6775



49.5679, 36.7342, 8.3488



37.7036, 36.7342, 4.7871

Triad

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



49.5679, 36.7342, 8.3488



17.6843, 36.7342, 32.7080



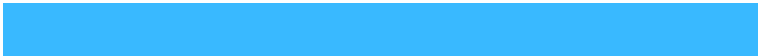
43.8565, 36.7342, 127.4857

Complementary

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



49.5679, 36.7342, 8.3488



37.0848, 42.7848, 100.9107

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.



32.2670, 36.7342, 136.9406



49.5679, 36.7342, 8.3488



18.6468, 36.7342, 68.6703

Square

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



49.5679, 36.7342, 8.3488



20.4936, 36.7342, 13.1527



23.4779, 36.7342, 111.3607



54.8828, 36.7342, 89.8699

Rectangle

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



49.5679, 36.7342, 8.3488



30.4096, 36.7342, 5.0362



23.4779, 36.7342, 111.3607



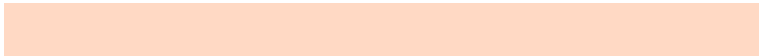
39.8442, 36.7342, 134.6632

Sweetspot

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



49.5687, 36.7362, 8.3494



76.0790, 74.9321, 62.8872



51.5340, 27.7187, 48.9216



15.7430, 15.3056, 12.2040



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.



49.5687, 36.7362, 8.3494



46.0699, 30.7470, 4.0725



68.9845, 75.5678, 14.8214



18.5348, 19.0377, 18.8421



23.5930, 15.1973, 1.6899



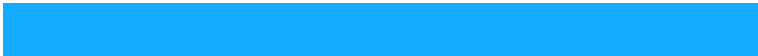
2.3955, 1.6763, 0.1973

Inverse Universe

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



37.0848, 42.7848, 100.9107



32.8880, 36.5298, 99.9253



23.1214, 14.8581, 96.2563



17.9828, 19.3372, 23.0346



16.5928, 18.0952, 52.0528



1.7185, 1.9677, 5.1025

Previews

White Background



This preview shows how the XYZ color 49.5679, 36.7342, 8.3488 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 49.5679, 36.7342, 8.3488 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 49.5679, 36.7342, 8.3488

Background



This preview shows how black text looks on a background with the XYZ color 49.5679, 36.7342, 8.3488.



This preview shows how white text looks on a background with the XYZ color 49.5679, 36.7342,

8.3488.

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

49.5679, 36.7342, 8.3488

Protanopia

33.5800, 36.9013, 10.6630

Deuteranopia

37.4317, 36.6352, 7.8947



Tritanopia

52.1620, 36.7640, 25.1158

Trichromacy



Original Color

49.5679, 36.7342, 8.3488

Protanomaly

38.2583, 36.0474, 9.6440

Deuteranomaly

41.1544, 36.1778, 7.9459

Tritanomaly

50.8958, 36.6546, 17.2245

Monochromacy



Original Color

49.5679, 36.7342, 8.3488

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

35.7224, 33.2757, 22.6292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5679, 36.7342, 8.3488 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, 127, 57)` looks like.

```
.text, #text, p{  
    color:rgb(255, 127, 57)  
}
```

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, 127, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 127, 57) }
```

Border

The CSS property to change the border of an element to XYZ 49.5679, 36.7342, 8.3488 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, 127, 57) }
```


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

```
.border{ border-color:rgb(255, 127, 57) }
```

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

Here you see how a box with a 4 pixel rgb(255, 127, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 127, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 127, 57);  
box-shadow:4px 4px 4px 4px rgb(255, 127,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5679, 36.7342, 8.3488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 127, 57) }
```

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

```
.background{ background-color: rgb(255,  
127, 57) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor