

Converting Colors

XYZ(49.6540, 35.9734, 11.2559)

Have a look what the booklet for
XYZ(49.6540, 35.9734, 11.2559)
contains.

XYZ(49.6625, 35.9617, 11.3450)	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(49.6625, 35.9617,
11.3450)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7B4D
RGB	255, 123, 77
RGB Percent	100%, 48%, 30%
CMY	0.0000, 0.5176, 0.6980
CMYK	0.00, 0.52, 0.70, 0.00
HSL	16°, 100%, 65%
HSV	16°, 70%, 100%
XYZ	49.6625, 35.9617, 11.3450
YIQ	157.2240, 93.4380, 13.6780

Conversions

Conversions Part 2

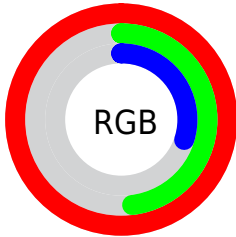
Format	Color
R _Y B	255, 139, 77
Decimal	16743245
CIE Lab	66.49, 47.15, 48.11
CIE LCh	66, 67.368, 45.577
Yxy	35.9617, 0.5121, 0.3709
Android (android.graphics.Color)	4294933325 (0xFFFF7B4D)
YUV	157.2240, -39.5504, 85.7496
Hunter-Lab	59.9681, 42.8805, 30.7609

Details

The XYZ color **49.6625, 35.9617, 11.3450** 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 **43.9093, 54.3952, 102.7922**, and the grayscale version is **32.2930, 33.9747, 36.9985**.

A 20% lighter version of the original color is **61.0567, 54.6593, 27.7543**, and **24.1502, 15.6755, 2.9152** is the 20% darker color. If you saturate the color by 10%, you get **46.8087, 31.4239, 6.7886**, and if you desaturate by 10%, it is **53.3237, 41.5505, 17.9108**.

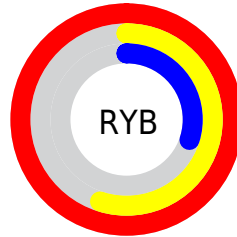
Distribution



Red (100%)

Green (48%)

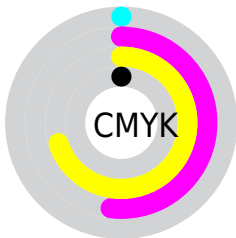
Blue (30%)



Red (100%)

Yellow (55%)

Blue (30%)

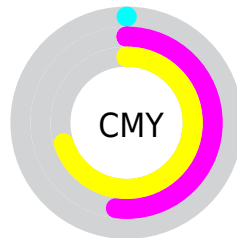


Cyan (0%)

Magenta (52%)

Yellow (70%)

Black (0%)



Cyan (0%)


Magenta (52%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6625, 35.9617, 11.3450 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 49.6625, 35.9617, 11.3450 by changing the saturation by 10% instead.


 49.6625, 35.9617,
11.3450


 49.6625, 35.9617,
11.3450


375.8185,
328.7931, 210.8411


 35.3620, 24.4046,
6.1823


 88.8694, 68.9729,
28.9427

 24.1097, 15.6340,
2.8857


 114.5066, 91.1959,
42.2148


 15.5402, 9.2656,
1.0366


 144.6533,
117.7429, 59.0272

 9.2881, 4.9148,
0.0000

 179.6750,
148.9984, 79.7983

 4.9882, 2.1974,
0.0000

 219.9371,
185.3468, 104.9467

 2.2750, 0.7186,
0.0000

265.8047,

 0.7818, 0.0000,

227.1725, 134.8909

0.0000

317.6434,
274.8598, 170.0495

■ 0.0000, 0.0000,
0.0000

■ 49.6625, 35.9617,
11.3450

■ 49.6625, 35.9617,
11.3450

■ 46.8087, 31.4239,
6.7886

■ 53.3237, 41.5505,
17.9108

■ 44.6897, 27.8614,
3.9998

■ 57.8506, 48.2475,
26.6862


■ 43.2072, 25.1903,
2.5994

■ 63.2989, 56.1121,
37.8491

■ 43.1826, 25.1457,
2.5776

■ 69.7182, 65.1980,
51.5585

■ 77.1548, 75.5551,
67.9596

 85.6516, 87.2306,
87.1867

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.



56.5186, 35.9617, 26.0346



49.6625, 35.9617, 11.3450



39.2517, 35.9617, 6.2090

Triad

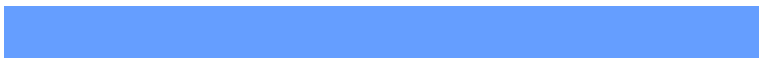
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.6625, 35.9617, 11.3450



18.6060, 35.9617, 26.8679



39.6676, 35.9617, 120.9278

Complementary

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



49.6625, 35.9617, 11.3450



43.9093, 54.3952, 102.7922

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.



29.5661, 35.9617, 121.5439



49.6625, 35.9617, 11.3450



18.6736, 35.9617, 56.0787

Square

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



49.6625, 35.9617, 11.3450



22.0979, 35.9617, 11.6955



22.3054, 35.9617, 93.8535



50.0183, 35.9617, 92.4415

Rectangle

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



49.6625, 35.9617, 11.3450



32.3270, 35.9617, 5.7825



22.3054, 35.9617, 93.8535



36.1036, 35.9617, 124.7428

Sweetspot

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



49.6633, 35.9637, 11.3456



76.2102, 74.2474, 65.8508



55.5890, 31.2459, 64.4010



15.8577, 15.2614, 13.0860



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.



49.6633, 35.9637, 11.3456



45.8346, 29.8143, 5.4186



65.7496, 68.1361, 16.7077



18.3910, 18.7501, 18.7942



22.6653, 13.3417, 1.3806



2.2906, 1.4665, 0.1623

Inverse Universe

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



43.9093, 54.3952, 102.7922



39.5266, 48.8276, 101.9491



28.0090, 22.5947, 97.4921



18.1342, 19.6399, 23.0851



19.0775, 23.0645, 52.8810



1.9458, 2.4222, 5.1783

Previews

White Background



This preview shows how the XYZ color 49.6625, 35.9617, 11.3450 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 49.6625, 35.9617, 11.3450 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 49.6625, 35.9617, 11.3450

Background



This preview shows how black text looks on a background with the XYZ color 49.6625, 35.9617, 11.3450.



This preview shows how white text looks on a background with the XYZ color 49.6625, 35.9617,

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

49.6625, 35.9617, 11.3450

Protanopia

33.1259, 36.0438, 14.8841

Deuteranopia

36.7485, 35.9709, 10.8006



Tritanopia

51.6676, 35.9860, 24.3015

Trichromacy



Original Color

49.6625, 35.9617, 11.3450

Protanomaly

37.6832, 34.9575, 13.3557

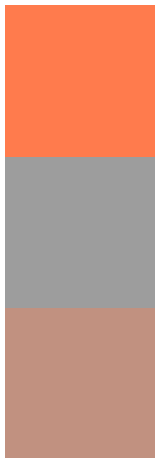
Deuteranomaly

40.8439, 35.4981, 11.0024

Tritanomaly

50.7168, 35.7971, 18.7045

Monochromacy



Original Color

49.6625, 35.9617, 11.3450

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

36.0140, 33.1468, 24.9219

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6625, 35.9617, 11.3450 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, 123, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 123, 77)  
}
```

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, 123, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 123, 77) }
```

Border

The CSS property to change the border of an element to XYZ 49.6625, 35.9617, 11.3450 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, 123, 77) }
```


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

```
.border{ border-color:rgb(255, 123, 77) }
```

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

Here you see how a box with a 4 pixel rgb(255, 123, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 123, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 123, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 123,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6625, 35.9617, 11.3450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 123, 77) }
```

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

```
.background{ background-color: rgb(255,  
123, 77) }
```

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