

# Converting Colors

XYZ(54.9269, 44.7964, 18.3224)

Have a look what the booklet for  
XYZ(54.9269, 44.7964, 18.3224)  
contains.

<b>XYZ(54.8665, 44.6758, 18.3019)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(54.8665, 44.6758,  
18.3019)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9866
RGB	255, 152, 102
RGB Percent	100%, 60%, 40%
CMY	0.0000, 0.4039, 0.6000
CMYK	0.00, 0.40, 0.60, 0.00
HSL	20°, 100%, 70%
HSV	20°, 60%, 100%
XYZ	54.8665, 44.6758, 18.3019
YIQ	177.0970, 77.4380, 6.2860

# Conversions

## Conversions Part 2

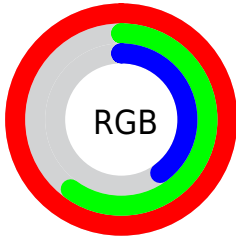
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 176, 102
Decimal	16750694
CIE Lab	72.68, 34.09, 42.52
CIE LCh	73, 54.494, 51.280
Yxy	44.6758, 0.4656, 0.3791
Android (android.graphics.Color)	4294940774 (0xFFFF9866)
YUV	177.0970, -37.0228, 68.3209
Hunter-Lab	66.8400, 29.5543, 30.5534

# Details

The XYZ color **54.8665, 44.6758, 18.3019** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **45.3594, 53.7044, 102.5825**, and the grayscale version is **42.0020, 44.1894, 48.1223**.

A 20% lighter version of the original color is **69.3856, 68.2187, 40.0824**, and **27.4479, 20.8407, 5.9442** is the 20% darker color. If you saturate the color by 10%, you get **51.2037, 39.0725, 11.7723**, and if you desaturate by 10%, it is **59.3235, 51.2456, 27.0152**.

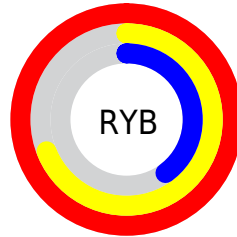
# Distribution



Red (100%)

Green (60%)

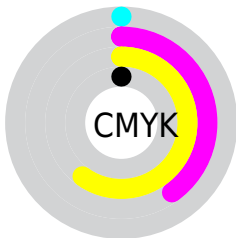
Blue (40%)



Red (100%)

Yellow (69%)

Blue (40%)

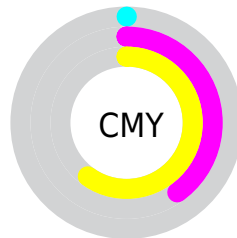


Cyan (0%)

Magenta (40%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (40%)


Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.8665, 44.6758, 18.3019 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 54.8665, 44.6758, 18.3019 by changing the saturation by 10% instead.





 54.8665, 44.6758,  
18.3019


 54.8665, 44.6758,  
18.3019


395.5503,  
365.4590, 254.8603


 39.5283, 31.2021,  
10.9953


 96.4948, 82.2337,  
41.3720


 27.3535, 20.7528,  
5.9495


 123.5156,  
107.0867, 57.9725

 17.9769, 12.9434,  
2.7461


 155.1612,  
136.5017, 78.5080

 11.0330, 7.3896,  
0.9665

 191.7971,  
170.8629, 103.3971

 6.1565, 3.7069,  
0.0000

233.7886,  
210.5549, 133.0584

 2.9820, 1.5110,  
0.0000

281.5011,

 1.1443, 0.2965,

255.9620, 167.9103

0.0000

335.2999,  
307.4685, 208.3714

■ 0.0617, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.8665, 44.6758,  
18.3019

■ 54.8665, 44.6758,  
18.3019

■ 51.2037, 39.0725,  
11.7723

■ 59.3235, 51.2456,  
27.0152

■ 48.2777, 34.3797,  
7.2236

■ 64.6200, 58.8205,  
38.0853

■ 46.0270, 30.5449,  
4.4182

■ 70.8013, 67.4448,  
51.6705

■ 44.3595, 27.4994,  
2.9700

■ 77.9083, 77.1582,  
67.9145

■ 44.3594, 27.4991,  
2.9699

■ 85.9793, 87.9982,  
86.9501

95.0498, 99.9999,  
108.9000

# Harmonies

## Analogous

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



61.7340, 44.6758, 32.1039



54.8665, 44.6758, 18.3019



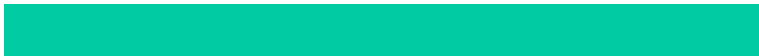
45.2763, 44.6758, 13.2177

# Triad

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



54.8665, 44.6758, 18.3019



26.9223, 44.6758, 41.1773



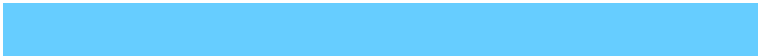
49.4012, 44.6758, 114.9898

# Complementary

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



54.8665, 44.6758, 18.3019



45.3594, 53.7044, 102.5825

# 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.



39.7687, 44.6758, 120.2957



54.8665, 44.6758, 18.3019



27.6884, 44.6758, 70.0684

# Square

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



54.8665, 44.6758, 18.3019



29.8109, 44.6758, 22.8238



32.0857, 44.6758, 101.5567



58.2674, 44.6758, 88.9719



# Rectangle

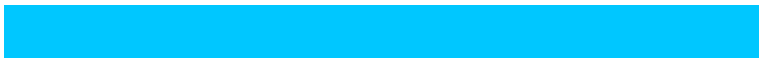
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



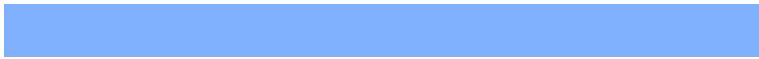
54.8665, 44.6758, 18.3019



39.0087, 44.6758, 13.3878



32.0857, 44.6758, 101.5567



46.1155, 44.6758, 119.5593

# Sweetspot

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



54.8676, 44.6781, 18.3027



79.4441, 79.2345, 71.4932



57.1988, 35.2460, 62.5320



16.5287, 16.3159, 14.1956



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.



54.8676, 44.6781, 18.3027



50.5614, 38.0624, 10.7107



71.0935, 77.1299, 23.7114



18.4942, 18.9565, 18.8286



23.2992, 14.6096, 1.5919



2.3633, 1.6120, 0.1866



# Inverse Universe

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



45.3594, 53.7044, 102.5825



40.1913, 47.6015, 101.6774



31.5190, 26.0238, 97.9690



18.0252, 19.4219, 23.0487



17.2478, 19.4052, 52.2711



1.7791, 2.0888, 5.1227



# Previews

## White Background



This preview shows how the XYZ color 54.8665, 44.6758, 18.3019 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 54.8665, 44.6758, 18.3019 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

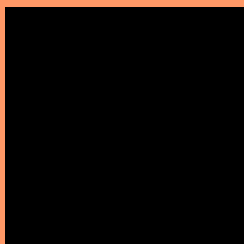
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 54.8665, 44.6758, 18.3019**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.8665, 44.6758, 18.3019.



This preview shows how white text looks on a background with the XYZ color 54.8665, 44.6758,



# 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

54.8665, 44.6758, 18.3019

### Protanopia

41.5504, 45.0122, 21.8275

### Deuteranopia

45.4928, 44.5367, 17.7540



## Tritanopia

57.7595, 44.5618, 37.4553

# Trichromacy



## Original Color

54.8665, 44.6758, 18.3019

## Protanomaly

45.5100, 44.2104, 20.3222

## Deuteranomaly

48.3043, 44.0842, 17.7676

## Tritanomaly

56.5028, 44.5610, 29.2900

# Monochromacy



## Original Color

54.8665, 44.6758, 18.3019

## Achromatopsia

41.7894, 43.9657, 47.8787

## Achromatomaly

44.6845, 43.1864, 34.8348

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.8665, 44.6758, 18.3019 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, 152, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 152, 102)  
}
```

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, 152, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 152, 102) }
```

## Border

The CSS property to change the border of an element to XYZ 54.8665, 44.6758, 18.3019 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, 152, 102) }
```



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

```
.border{ border-color:rgb(255, 152, 102) }
```

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

Here you see how a box with a 4 pixel rgb(255, 152, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 152, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 152, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 152,  
102) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.8665, 44.6758, 18.3019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 152, 102) }
```

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

```
.background{ background-color: rgb(255,  
152, 102) }
```

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