

Converting Colors

XYZ(114.5572, 75.6161,
19.6824)

Have a look what the booklet for
XYZ(114.5572, 75.6161, 19.6824)
contains.

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Color

**XYZ(54.7426, 44.8870,
16.8451)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9960
RGB	255, 153, 96
RGB Percent	100%, 60%, 38%
CMY	0.0000, 0.4000, 0.6235
CMYK	0.00, 0.40, 0.62, 0.00
HSL	22°, 100%, 69%
HSV	22°, 62%, 100%
XYZ	54.7426, 44.8870, 16.8451
YIQ	177.0000, 79.0890, 3.8970

Conversions

Conversions Part 2

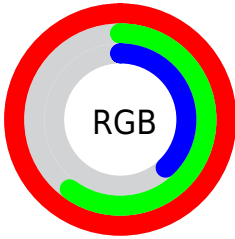
Format	Color
RYB	255, 185, 96
Decimal	16750944
CIELab	72.82, 33.17, 45.77
CIELCh	73, 56.524, 54.066
Yxy	44.8870, 0.4700, 0.3854
Android (android.graphics.Color)	4294941024 (0xFFFF9960)
YUV	177.0000, -39.9330, 68.4060
Hunter-Lab	66.9978, 28.6029, 31.9913

Details

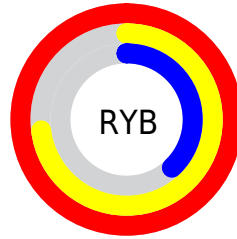
The XYZ color **54.7426, 44.8870, 16.8451** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **43.0667, 50.0923, 102.0063**, and the grayscale version is **41.9652, 44.1506, 48.0800**.

A 20% lighter version of the original color is **69.1412, 68.5099, 37.5966**, and **27.4149, 20.9819, 5.2943** is the 20% darker color. If you saturate the color by 10%, you get **51.2572, 39.5004, 10.8005**, and if you desaturate by 10%, it is **58.9778, 51.1646, 25.0181**.

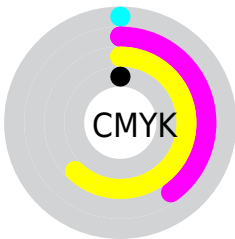
Distribution



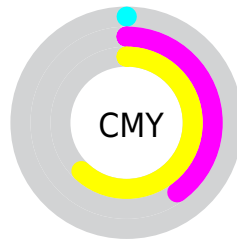
- Red (100%)
- Green (60%)
- Blue (38%)



- Red (100%)
- Yellow (73%)
- Blue (38%)



- Cyan (0%)
- Magenta (40%)
- Yellow (62%)
- Black (0%)





- Cyan (0%)
- Magenta (40%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.7426, 44.8870, 16.8451 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 54.7426, 44.8870, 16.8451 by changing the saturation by 10% instead.


 54.7426, 44.8870,
16.8451


 54.7426, 44.8870,
16.8451


395.0878,
366.3157, 246.2918

 39.4287, 31.3684,
9.9633


 96.3142, 82.5508,
38.8463


 27.2756, 20.8796,
5.2694


 123.3027,
107.4649, 54.8027

 17.9180, 13.0360,
2.3447


 154.9134,
136.9462, 74.6211

 10.9905, 7.4533,
0.7561

 191.5117,
171.3792, 98.7201

 6.1277, 3.7472,
0.0000

233.4629,
211.1482, 127.5181

 2.9643, 1.5332,
0.0000

281.1324,

 1.1349, 0.3119,

256.6377, 161.4337

0.0000

334.8856,
308.2321, 200.8854

■ 0.0540, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.7426, 44.8870,
16.8451

■ 54.7426, 44.8870,
16.8451

■ 51.2572, 39.5004,
10.8005

■ 58.9778, 51.1646,
25.0181

■ 48.4652, 34.9528,
6.6750


■ 64.0068, 58.3674,
35.4969


■ 46.3055, 31.1962,
4.2197

■ 69.8737, 66.5362,
48.4428

■ 45.0174, 28.8150,
3.1892

■ 76.6179, 75.7070,
64.0017

 84.2764, 85.9138,
82.3082

 92.8836, 97.1889,
103.4875

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.



62.3494, 44.8870, 29.9598



54.7426, 44.8870, 16.8451



44.6475, 44.8870, 12.3881

Triad

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



54.7426, 44.8870, 16.8451



26.4927, 44.8870, 43.4897



50.8432, 44.8870, 116.8175

Complementary

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



54.7426, 44.8870, 16.8451



43.0667, 50.0923, 102.0063

Split Complementary

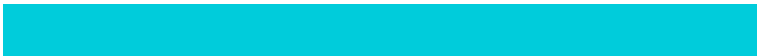
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



40.7396, 44.8870, 124.8877



54.7426, 44.8870, 16.8451



27.6305, 44.8870, 74.4327

Square

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



54.7426, 44.8870, 16.8451



29.1189, 44.8870, 23.4963



32.5068, 44.8870, 107.0975



59.8670, 44.8870, 88.0126

Rectangle

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



54.7426, 44.8870, 16.8451



38.2338, 44.8870, 12.9295



32.5068, 44.8870, 107.0975



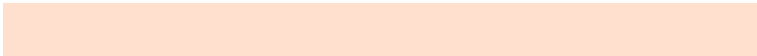
47.4233, 44.8870, 122.4134

Sweetspot

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



54.7437, 44.8893, 16.8459



79.0819, 79.0118, 69.8262



55.7724, 33.7658, 57.8242



16.4754, 16.3067, 13.8778



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.



54.7437, 44.8893, 16.8459



50.4529, 38.2165, 9.5306



71.9691, 79.3402, 22.5877



18.5423, 19.0528, 18.8446



23.6505, 15.3122, 1.7090



2.4017, 1.6887, 0.1994

Inverse Universe

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



43.0667, 50.0923, 102.0063



37.7980, 43.6013, 101.0315



29.5726, 23.1041, 97.5083



17.9750, 19.3215, 23.0320



16.4750, 17.8595, 52.0135



1.7076, 1.9459, 5.0989

Previews

White Background



This preview shows how the XYZ color 54.7426, 44.8870, 16.8451 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 54.7426, 44.8870, 16.8451 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 54.7426, 44.8870, 16.8451

Background



This preview shows how black text looks on a background with the XYZ color 54.7426, 44.8870, 16.8451.



This preview shows how white text looks on a background with the XYZ color 54.7426, 44.8870,

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

54.7426, 44.8870, 16.8451

Protanopia

41.4349, 44.9959, 19.8658

Deuteranopia

46.0099, 45.1142, 16.4081



Tritanopia

58.0015, 44.9084, 37.9589

Trichromacy



Original Color

54.7426, 44.8870, 16.8451

Protanomaly

45.3883, 44.4605, 18.7599

Deuteranomaly

48.8555, 44.6649, 16.4021

Tritanomaly

56.5195, 44.8220, 28.5943

Monochromacy



Original Color

54.7426, 44.8870, 16.8451

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

44.5248, 43.1225, 33.9937

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.7426, 44.8870, 16.8451 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, 153, 96)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 96)  
}
```

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, 153, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 96) }
```

Border

The CSS property to change the border of an element to XYZ 54.7426, 44.8870, 16.8451 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, 153, 96) }
```


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

```
.border{ border-color:rgb(255, 153, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 96);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 54.7426, 44.8870, 16.8451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 96) }
```

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

```
.background{ background-color: rgb(255,  
153, 96) }
```

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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