

Converting Colors

XYZ(57.5322, 48.5368, 23.7231)

Have a look what the booklet for
XYZ(57.5322, 48.5368, 23.7231)
contains.

XYZ(57.4901, 48.4326, 23.7711)	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(57.4901, 48.4326,
23.7711)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA277
RGB	255, 162, 119
RGB Percent	100%, 64%, 47%
CMY	0.0000, 0.3647, 0.5333
CMYK	0.00, 0.36, 0.53, 0.00
HSL	19°, 100%, 73%
HSV	19°, 53%, 100%
XYZ	57.4901, 48.4326, 23.7711
YIQ	184.9050, 69.2310, 6.3430

Conversions

Conversions Part 2

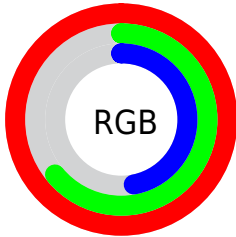
Format	Color
R _Y B	255, 182, 119
Decimal	16753271
CIE Lab	75.10, 30.19, 36.64
CIE LCh	75, 47.474, 50.507
Yxy	48.4326, 0.4433, 0.3734
Android (android.graphics.Color)	4294943351 (0xFFFFA277)
YUV	184.9050, -32.4912, 61.4733
Hunter-Lab	69.5935, 25.6673, 28.4638

Details

The XYZ color **57.4901, 48.4326, 23.7711** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **49.1998, 58.2259, 103.2529**, and the grayscale version is **46.2105, 48.6170, 52.9439**.

A 20% lighter version of the original color is **73.4992, 73.8643, 49.4131**, and **29.0798, 22.9816, 8.6976** is the 20% darker color. If you saturate the color by 10%, you get **53.2978, 42.1790, 15.8050**, and if you desaturate by 10%, it is **62.5214, 55.7071, 34.0443**.

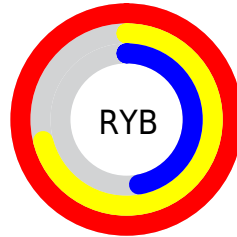
Distribution



Red (100%)

Green (64%)

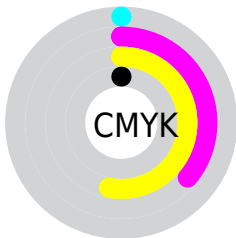
Blue (47%)



Red (100%)

Yellow (71%)

Blue (47%)

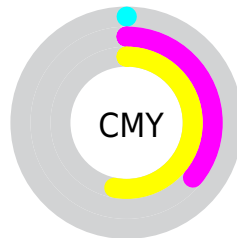


Cyan (0%)

Magenta (36%)

Yellow (53%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.4901, 48.4326, 23.7711 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 57.4901, 48.4326, 23.7711 by changing the saturation by 10% instead.


 57.4901, 48.4326,
23.7711

 57.4901, 48.4326,
23.7711


405.2678,
380.5043, 284.9104

 41.6405, 34.1696,
14.9533

 100.3072, 87.8482,
50.5955

 29.0098, 23.0239,
8.6403

 128.0054,
113.7695, 69.4393

 19.2326, 14.6112,
4.4138


 160.3839,
144.3457, 92.4620

 11.9434, 8.5470,
1.8550

197.8080,
179.9613, 120.0824

 6.7771, 4.4469,
0.4638

240.6431,
221.0005, 152.7188

 3.3682, 1.9265,
0.0000

289.2545,

 1.3513, 0.5643,

267.8478, 190.7900

0.0000

344.0076,
320.8876, 234.7143

■ 0.2211, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 57.4901, 48.4326,
23.7711

■ 57.4901, 48.4326,
23.7711

■ 53.2978, 42.1790,
15.8050

■ 62.5214, 55.7071,
34.0443

■ 49.8900, 36.8908,
9.9602

■ 68.4346, 64.0402,
46.7850

■ 47.2102, 32.5176,
6.0261

■ 75.2736, 73.4760,
62.1424

■ 45.1909, 29.0002,
3.7461

■ 83.0781, 84.0543,
80.2529

■ 44.1553, 27.0909,
2.9018

■ 91.8854, 95.8126,
101.2435

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.



63.5104, 48.4326, 37.6939



57.4901, 48.4326, 23.7711



48.8427, 48.4326, 18.2341

Triad

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



57.4901, 48.4326, 23.7711



31.4512, 48.4326, 45.2351



52.1344, 48.4326, 111.3997

Complementary

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



57.4901, 48.4326, 23.7711



49.1998, 58.2259, 103.2529

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.



43.3346, 48.4326, 115.3568



57.4901, 48.4326, 23.7711



32.0990, 48.4326, 71.3237

Square

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



57.4901, 48.4326, 23.7711



34.3134, 48.4326, 27.7945



36.2104, 48.4326, 98.9139



60.1585, 48.4326, 89.3674

Rectangle

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



57.4901, 48.4326, 23.7711



43.0555, 48.4326, 18.3067



36.2104, 48.4326, 98.9139



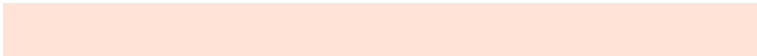
49.1463, 48.4326, 115.1092

Sweetspot

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



57.4913, 48.4350, 23.7720



80.9001, 81.1192, 75.1460



60.0000, 39.3192, 68.1794



16.9665, 16.8901, 15.2703



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.



57.4913, 48.4350, 23.7720



53.0468, 41.7967, 15.3511



72.2581, 77.9686, 28.6943



18.4781, 18.9244, 18.8232



23.1898, 14.3908, 1.5555



2.3511, 1.5876, 0.1825

Inverse Universe

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



49.1998, 58.2259, 103.2529



43.8924, 52.3825, 102.4052



35.9678, 31.7618, 98.8423



18.0420, 19.4556, 23.0543



17.5173, 19.9441, 52.3609



1.8038, 2.1384, 5.1309

Previews

White Background



This preview shows how the XYZ color 57.4901, 48.4326, 23.7711 looks on a white background.

Color Contrast Check

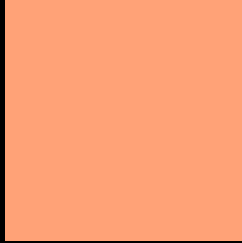
Large Text (above 18pt) WCAG AA × Fail

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 57.4901, 48.4326, 23.7711 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 57.4901, 48.4326, 23.7711

Background



This preview shows how black text looks on a background with the XYZ color 57.4901, 48.4326, 23.7711.



This preview shows how white text looks on a background with the XYZ color 57.4901, 48.4326,

23.7711.

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

57.4901, 48.4326, 23.7711

Protanopia

45.0647, 48.5358, 27.4153

Deuteranopia

49.6150, 48.5525, 23.2796



Tritanopia

60.5347, 48.5409, 43.2246

Trichromacy



Original Color

57.4901, 48.4326, 23.7711

Protanomaly

48.9390, 48.1406, 26.1147

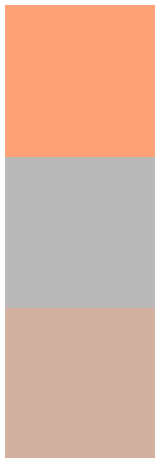
Deuteranomaly

52.2244, 48.4516, 23.4292

Tritanomaly

59.1432, 48.2583, 35.0518

Monochromacy



Original Color

57.4901, 48.4326, 23.7711

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

48.7335, 47.7191, 40.3604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.4901, 48.4326, 23.7711 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, 162, 119)` looks like.

```
.text, #text, p{  
    color:rgb(255, 162, 119)  
}
```

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, 162, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 162, 119) }
```

Border

The CSS property to change the border of an element to XYZ 57.4901, 48.4326, 23.7711 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, 162, 119) }
```


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

```
.border{ border-color:rgb(255, 162, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 162, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 162, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 162, 119);  
box-shadow:4px 4px 4px 4px rgb(255, 162,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 57.4901, 48.4326, 23.7711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 162, 119) }
```

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

```
.background{ background-color: rgb(255,  
162, 119) }
```

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