

Converting Colors

XYZ(66.4131, 56.8223, 13.6921)

Have a look what the booklet for
XYZ(66.4131, 56.8223, 13.6921)
contains.

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Color

**XYZ(57.7726, 52.4010,
13.3728)**

Conversions

Conversions Part 1

Format	Color
Hex	FFAF49
RGB	255, 175, 73
RGB Percent	100%, 69%, 29%
CMY	0.0000, 0.3137, 0.7137
CMYK	0.00, 0.31, 0.71, 0.00
HSL	34°, 100%, 64%
HSV	34°, 71%, 100%
XYZ	57.7726, 52.4010, 13.3728
YIQ	187.2920, 80.4220, -14.7620

Conversions

Conversions Part 2

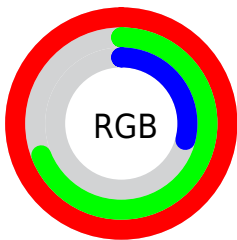
Format	Color
R_{YB}	216, 255, 73
Decimal	16756553
CIE _{Lab}	77.52, 20.44, 61.83
CIE _{LCh}	78, 65.118, 71.706
Yxy	52.4010, 0.4676, 0.4241
Android (android.graphics.Color)	4294946633 (0xFFFFAF49)
YUV	187.2920, -56.3460, 59.3799
Hunter-Lab	72.3885, 15.7792, 39.7190

Details

The XYZ color **57.7726, 52.4010, 13.3728** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **32.1883, 31.4175, 98.9749**, and the grayscale version is **47.6770, 50.1599, 54.6241**.

A 20% lighter version of the original color is **73.5818, 79.9182, 31.2862**, and **29.0182, 25.2831, 3.6985** is the 20% darker color. If you saturate the color by 10%, you get **55.0026, 47.9483, 9.0988**, and if you desaturate by 10%, it is **61.0724, 57.3597, 19.5329**.

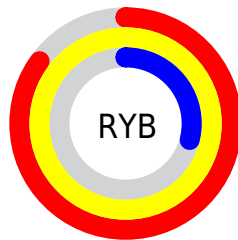
Distribution



Red (100%)

Green (69%)

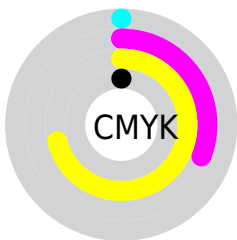
Blue (29%)



Red (85%)

Yellow (100%)

Blue (29%)

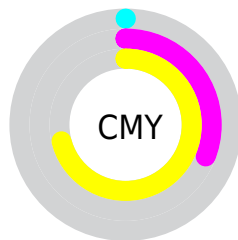


Cyan (0%)

Magenta (31%)

Yellow (71%)

Black (0%)



Cyan (0%)

Magenta (31%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.7726, 52.4010, 13.3728 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 57.7726, 52.4010, 13.3728 by changing the saturation by 10% instead.

57.7726, 52.4010,
13.3728

57.7726, 52.4010,
13.3728

406.3056,
395.9827, 224.5844

41.8684, 37.3248,
7.5520

100.7165, 93.7224,
32.6729

29.1889, 25.4591,
3.7260

128.4869,
120.7363, 46.9893

19.3688, 16.4194,
1.4763

160.9435,
152.4983, 64.9746

12.0426, 9.8214,
0.2002

198.4515,
189.3927, 87.0474

6.8451, 5.2807,
0.0000

241.3764,
231.8040, 113.6263

3.4109, 2.4129,
0.0000

290.0835,

1.3746, 0.8325,

280.1165, 145.1297

0.0000

344.9381,
334.7146, 181.9762

■ 0.2380, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 57.7726, 52.4010,
13.3728

■ 57.7726, 52.4010,
13.3728

■ 55.0026, 47.9483,
9.0988

■ 61.0724, 57.3597,
19.5329

■ 52.7090, 43.9667,
6.4676

■ 64.9404, 62.8400,
27.7764

■ 51.0502, 40.8808,
5.2001

■ 69.4148, 68.8659,
38.2787

■ 74.5288, 75.4569,
51.1955

80.3129, 82.6315,
66.6687

86.7955, 90.4069,
84.8292

94.0032, 98.7996,
105.7985

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.



70.0860, 52.4010, 22.3156



57.7726, 52.4010, 13.3728



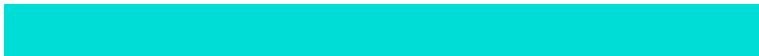
45.0671, 52.4010, 12.6064

Triad

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



57.7726, 52.4010, 13.3728



29.7121, 52.4010, 72.2616



67.6519, 52.4010, 125.7868

Complementary

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



57.7726, 52.4010, 13.3728



32.1883, 31.4175, 98.9749

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.



54.8650, 52.4010, 155.0405



57.7726, 52.4010, 13.3728



33.8716, 52.4010, 116.5101

Square

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



57.7726, 52.4010, 13.3728



30.2238, 52.4010, 37.9920



42.6069, 52.4010, 151.0714



76.4173, 52.4010, 81.6207

Rectangle

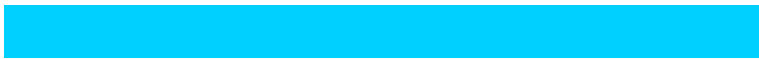
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57.7726, 52.4010, 13.3728



38.1666, 52.4010, 16.1379



42.6069, 52.4010, 151.0714



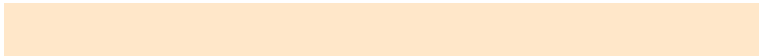
63.5985, 52.4010, 138.3853

Sweetspot

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



57.7738, 52.4036, 13.3738



80.5414, 82.9098, 67.2945



49.5306, 28.3886, 33.8360



16.8811, 17.3081, 13.4271



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.



57.7738, 52.4036, 13.3738



53.8853, 46.0485, 7.6933



74.9333, 91.5753, 20.0303



18.8540, 19.6761, 18.9485



26.8264, 21.6639, 2.7677



2.7209, 2.3271, 0.3058

Inverse Universe

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



32.1883, 31.4175, 98.9749



27.0304, 24.1162, 97.8380



23.9213, 13.7839, 96.0069



17.6600, 18.6915, 22.9270



12.6065, 10.1225, 50.7240



1.3340, 1.1988, 4.9743

Previews

White Background



This preview shows how the XYZ color 57.7726, 52.4010, 13.3728 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 57.7726, 52.4010, 13.3728 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 57.7726, 52.4010, 13.3728

Background



This preview shows how black text looks on a background with the XYZ color 57.7726, 52.4010, 13.3728.



This preview shows how white text looks on a background with the XYZ color 57.7726, 52.4010,

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

57.7726, 52.4010, 13.3728

Protanopia

47.9563, 52.5455, 14.8224

Deuteranopia

53.4619, 52.2616, 13.2310



Tritanopia

63.2785, 52.4796, 48.9139

Trichromacy



Original Color

57.7726, 52.4010, 13.3728

Protanomaly

51.1765, 52.2976, 14.2346

Deuteranomaly

54.9460, 52.1206, 13.2952

Tritanomaly

60.5365, 52.2793, 31.7112

Monochromacy



Original Color

57.7726, 52.4010, 13.3728

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

49.2732, 49.9393, 34.2364

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.7726, 52.4010, 13.3728 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, 175, 73)` looks like.

```
.text, #text, p{  
    color:rgb(255, 175, 73)  
}
```

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, 175, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 175, 73) }
```

Border

The CSS property to change the border of an element to XYZ 57.7726, 52.4010, 13.3728 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, 175, 73) }
```


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

```
.border{ border-color:rgb(255, 175, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 175, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 175, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 175, 73);  
box-shadow:4px 4px 4px 4px rgb(255, 175,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 57.7726, 52.4010, 13.3728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 175, 73) }
```

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

```
.background{ background-color: rgb(255,  
175, 73) }
```

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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