

Converting Colors

XYZ(55.2975, 46.4733, 15.5620)

Have a look what the booklet for
XYZ(55.2975, 46.4733, 15.5620)
contains.

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Color

**XYZ(55.2700, 46.4350,
15.5010)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9E59
RGB	255, 158, 89
RGB Percent	100%, 62%, 35%
CMY	0.0000, 0.3804, 0.6510
CMYK	0.00, 0.38, 0.65, 0.00
HSL	25°, 100%, 67%
HSV	25°, 65%, 100%
XYZ	55.2700, 46.4350, 15.5010
YIQ	179.1370, 79.9610, -0.8950

Conversions

Conversions Part 2

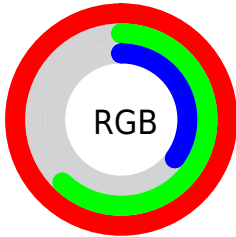
Format	Color
R _Y B	255, 207, 89
Decimal	16752217
CIE Lab	73.83, 30.15, 50.44
CIE LCh	74, 58.768, 59.131
Yxy	46.4350, 0.4716, 0.3962
Android (android.graphics.Color)	4294942297 (0xFFFF9E59)
YUV	179.1370, -44.4375, 66.5319
Hunter-Lab	68.1432, 25.5281, 34.2132

Details

The XYZ color **55.2700, 46.4350, 15.5010** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **39.7275, 44.4591, 101.0947**, and the grayscale version is **43.1217, 45.3674, 49.4051**.

A 20% lighter version of the original color is **69.8420, 70.7716, 35.1785**, and **27.5126, 21.7920, 4.6757** is the 20% darker color. If you saturate the color by 10%, you get **51.9897, 41.3017, 10.0084**, and if you desaturate by 10%, it is **59.2314, 52.3377, 23.0502**.

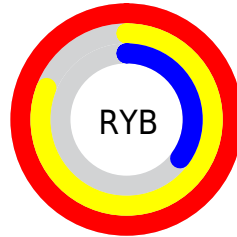
Distribution



Red (100%)

Green (62%)

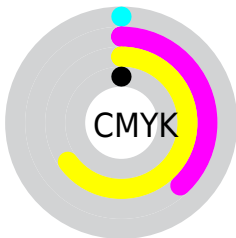
Blue (35%)



Red (100%)

Yellow (81%)

Blue (35%)

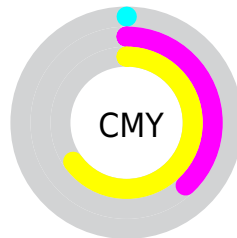


Cyan (0%)

Magenta (38%)

Yellow (65%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.2700, 46.4350, 15.5010 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 55.2700, 46.4350, 15.5010 by changing the saturation by 10% instead.


 55.2700, 46.4350,
15.5010


 55.2700, 46.4350,
15.5010


397.0544,
372.5547, 238.1233


 39.8526, 32.5892,
9.0212


 97.0825, 84.8696,
36.4844

 27.6074, 21.8120,
4.6580


 124.2082,
110.2273, 51.8251

 18.1688, 13.7188,
1.9928


 155.9676,
140.1910, 70.9565

 11.1717, 7.9253,
0.5509

 192.7258,
175.1452, 94.2971

 6.2506, 4.0472,
0.0000

234.8482,
215.4743, 122.2656

 3.0401, 1.7000,
0.0000

282.7002,

 1.1750, 0.4237,

261.5627, 155.2804

0.0000

336.6471,
313.7947, 193.7601

■ 0.0865, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.2700, 46.4350,
15.5010

■ 55.2700, 46.4350,
15.5010

■ 51.9897, 41.3017,
10.0084

■ 59.2314, 52.3377,
23.0502

■ 49.3360, 36.8925,
6.3546


■ 63.9154, 59.0372,
32.8383


■ 47.2488, 33.1669,
4.2757

■ 69.3636, 66.5679,
45.0303

■ 46.3941, 31.5687,
3.6481

■ 75.6131, 74.9600,
59.7747

 82.6984, 84.2417,
77.2079

 90.6516, 94.4401,
97.4566

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



64.1200, 46.4350, 27.3982



55.2700, 46.4350, 15.5010



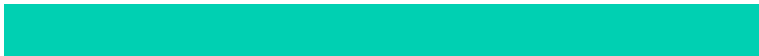
44.4405, 46.4350, 12.0842

Triad

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



55.2700, 46.4350, 15.5010



26.9360, 46.4350, 49.6921



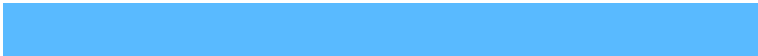
54.6591, 46.4350, 119.3401

Complementary

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



55.2700, 46.4350, 15.5010



39.7275, 44.4591, 101.0947

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.



43.8310, 46.4350, 132.7048



55.2700, 46.4350, 15.5010



28.8050, 46.4350, 84.0728

Square

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



55.2700, 46.4350, 15.5010



29.0349, 46.4350, 26.4057



34.6061, 46.4350, 117.7996



63.7299, 46.4350, 86.2123

Rectangle

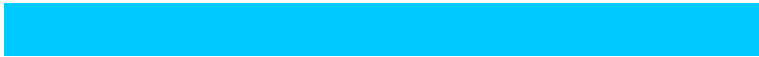
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.2700, 46.4350, 15.5010



37.8709, 46.4350, 13.3475



34.6061, 46.4350, 117.7996



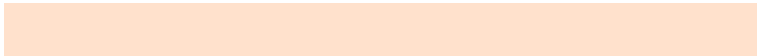
51.0545, 46.4350, 126.7600

Sweetspot

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



55.2711, 46.4374, 15.5019



79.1186, 79.5787, 68.3170



53.9542, 32.0617, 51.2618



16.5151, 16.4819, 13.5957



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.



55.2711, 46.4374, 15.5019



51.1575, 39.9490, 8.7688



73.7339, 83.3631, 21.6561



18.6297, 19.2276, 18.8737



24.3812, 16.7736, 1.9526



2.4787, 1.8428, 0.2251

Inverse Universe

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



39.7275, 44.4591, 101.0947



34.4994, 37.6895, 100.0642



27.2830, 19.5701, 96.9465



17.8849, 19.1415, 23.0020



15.1978, 15.3052, 51.5878



1.5877, 1.7060, 5.0589

Previews

White Background



This preview shows how the XYZ color 55.2700, 46.4350, 15.5010 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 55.2700, 46.4350, 15.5010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

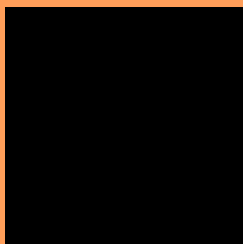
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.2700, 46.4350, 15.5010

Background



This preview shows how black text looks on a background with the XYZ color 55.2700, 46.4350, 15.5010.



This preview shows how white text looks on a background with the XYZ color 55.2700, 46.4350,

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

55.2700, 46.4350, 15.5010

Protanopia

42.7050, 46.5983, 18.0528

Deuteranopia

47.6346, 46.5506, 15.0689



Tritanopia

58.9898, 46.3251, 40.0150

Trichromacy



Original Color

55.2700, 46.4350, 15.5010



Protanomaly

46.4792, 45.9109, 17.0017



Deuteranomaly

50.2744, 46.5100, 15.1317



Tritanomaly

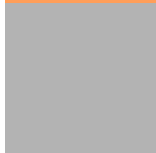
57.1688, 46.1205, 28.8107

Monochromacy



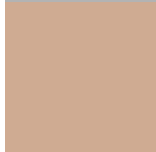
Original Color

55.2700, 46.4350, 15.5010



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

45.4833, 44.4665, 33.3798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.2700, 46.4350, 15.5010 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, 158, 89)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 89)  
}
```

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, 158, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 89) }
```

Border

The CSS property to change the border of an element to XYZ 55.2700, 46.4350, 15.5010 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, 158, 89) }
```


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

```
.border{ border-color:rgb(255, 158, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 158, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 89);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 55.2700, 46.4350, 15.5010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 158, 89) }
```

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

```
.background{ background-color: rgb(255,  
158, 89) }
```

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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