

Converting Colors

XYZ(76.6673, 55.1936, 15.8688)

Have a look what the booklet for
XYZ(76.6673, 55.1936, 15.8688)
contains.

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Color

**XYZ(53.7489, 43.4595,
14.7882)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9558
RGB	255, 149, 88
RGB Percent	100%, 58%, 35%
CMY	0.0000, 0.4157, 0.6549
CMYK	0.00, 0.42, 0.65, 0.00
HSL	22°, 100%, 67%
HSV	22°, 65%, 100%
XYZ	53.7489, 43.4595, 14.7882
YIQ	173.7400, 82.7570, 3.5010

Conversions

Conversions Part 2

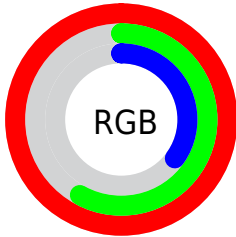
Format	Color
R _Y B	255, 184, 88
Decimal	16749912
CIE Lab	71.87, 34.74, 48.69
CIE LCh	72, 59.812, 54.490
Yxy	43.4595, 0.4799, 0.3880
Android (android.graphics.Color)	4294939992 (0xFFFF9558)
YUV	173.7400, -42.2698, 71.2650
Hunter-Lab	65.9238, 30.1676, 32.8466

Details

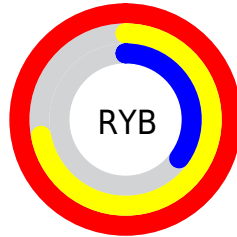
The XYZ color **53.7489, 43.4595, 14.7882** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **41.3650, 47.8755, 101.6679**, and the grayscale version is **40.2801, 42.3778, 46.1495**.

A 20% lighter version of the original color is **67.5665, 66.3392, 34.0545**, and **26.6332, 20.0333, 4.3825** is the 20% darker color. If you saturate the color by 10%, you get **50.4864, 38.3398, 9.3694**, and if you desaturate by 10%, it is **57.7385, 49.4431, 22.2717**.

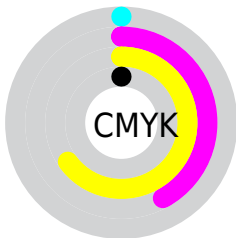
Distribution



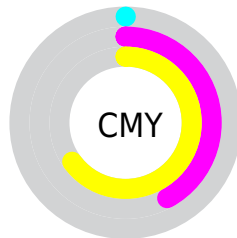
- Red (100%)
- Green (58%)
- Blue (35%)



- Red (100%)
- Yellow (72%)
- Blue (35%)



- Cyan (0%)
- Magenta (42%)
- Yellow (65%)
- Black (0%)





- Cyan (0%)
- Magenta (42%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.7489, 43.4595, 14.7882 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 53.7489, 43.4595, 14.7882 by changing the saturation by 10% instead.


 53.7489, 43.4595,
14.7882


 53.7489, 43.4595,
14.7882


391.3658,
360.4981, 233.6771


 38.6308, 30.2458,
8.5259

 94.8645, 80.4038,
35.2182


 26.6521, 20.0252,
4.3407


 121.5928,
104.9032, 50.2230


 17.4473, 12.4134,
1.8141


 152.9218,
133.9333, 68.9791

 10.6512, 7.0259,
0.4372

 189.2169,
167.8785, 91.9049

 5.8984, 3.4783,
0.0000

 230.8435,
207.1232, 119.4191

 2.8235, 1.3862,
0.0000

278.1670,

 1.0611, 0.2065,

252.0517, 151.9402

0.0000

331.5526,
303.0486, 189.8867

■ 0.0000, 0.0000,
0.0000

■ 53.7489, 43.4595,
14.7882

■ 53.7489, 43.4595,
14.7882

■ 50.4864, 38.3398,
9.3694

■ 57.7385, 49.4431,
22.2717

■ 47.8929, 34.0319,
5.7950

■ 62.5007, 56.3252,
32.0045

■ 45.9039, 30.4869,
3.7972

■ 68.0799, 64.1463,
44.1533

■ 45.1676, 29.1155,
3.2393

■ 74.5165, 72.9423,
58.8680

■ 81.8475, 82.7469,
76.2864

90.1079, 93.5924,
96.5363

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.



61.7988, 43.4595, 27.6813



53.7489, 43.4595, 14.7882



43.2147, 43.4595, 10.5835

Triad

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



53.7489, 43.4595, 14.7882



24.7288, 43.4595, 42.1397



49.9622, 43.4595, 118.8464

Complementary

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



53.7489, 43.4595, 14.7882



41.3650, 47.8755, 101.6679

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.



39.4562, 43.4595, 127.9056



53.7489, 43.4595, 14.7882



25.9342, 43.4595, 74.5638

Square

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



53.7489, 43.4595, 14.7882



27.3366, 43.4595, 21.6599



30.9505, 43.4595, 109.1774



59.3732, 43.4595, 87.9117

Rectangle

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



53.7489, 43.4595, 14.7882



36.6012, 43.4595, 11.1550



30.9505, 43.4595, 109.1774



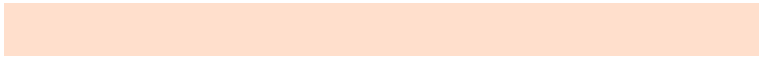
46.3997, 43.4595, 124.9714

Sweetspot

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



53.7499, 43.4618, 14.7890



78.4282, 78.1979, 68.0868



54.7562, 32.2503, 55.8925



16.3509, 16.1534, 13.5410



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.



53.7499, 43.4618, 14.7890



49.5030, 36.7374, 7.9168



71.2841, 78.5301, 20.6337



18.5526, 19.0735, 18.8481



23.7305, 15.4723, 1.7357



2.4103, 1.7059, 0.2022

Inverse Universe

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



41.3650, 47.8755, 101.6679



36.1544, 41.2060, 100.6558



27.9855, 21.1165, 97.2080



17.9643, 19.3001, 23.0284



16.3157, 17.5410, 51.9604



1.6928, 1.9162, 5.0939

Previews

White Background



This preview shows how the XYZ color 53.7489, 43.4595, 14.7882 looks on a white background.

Color Contrast Check

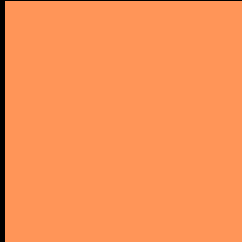
Large Text (above 18pt) WCAG AA × Fail

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 53.7489, 43.4595, 14.7882 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 53.7489, 43.4595, 14.7882

Background



This preview shows how black text looks on a background with the XYZ color 53.7489, 43.4595, 14.7882.



This preview shows how white text looks on a background with the XYZ color 53.7489, 43.4595,

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

53.7489, 43.4595, 14.7882

Protanopia

40.1279, 43.7767, 17.6440

Deuteranopia

44.5163, 43.5508, 14.4474



Tritanopia

56.9630, 43.5064, 35.5323

Trichromacy



Original Color

53.7489, 43.4595, 14.7882



Protanomaly

44.1580, 43.0445, 16.5707



Deuteranomaly

47.3396, 43.1345, 14.4251



Tritanomaly

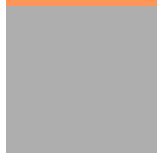
55.4813, 43.4027, 26.2223

Monochromacy



Original Color

53.7489, 43.4595, 14.7882



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

43.0417, 41.5899, 31.7457

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.7489, 43.4595, 14.7882 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, 149, 88)` looks like.

```
.text, #text, p{  
    color:rgb(255, 149, 88)  
}
```

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, 149, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 149, 88) }
```

Border

The CSS property to change the border of an element to XYZ 53.7489, 43.4595, 14.7882 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, 149, 88) }
```


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

```
.border{ border-color:rgb(255, 149, 88) }
```

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

Here you see how a box with a 4 pixel rgb(255, 149, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 149, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 149, 88);  
box-shadow:4px 4px 4px 4px rgb(255, 149,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 53.7489, 43.4595, 14.7882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 149, 88) }
```

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

```
.background{ background-color: rgb(255,  
149, 88) }
```

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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