

Converting Colors

XYZ(66.8299, 50.7360, 17.0440)

Have a look what the booklet for
XYZ(66.8299, 50.7360, 17.0440)
contains.

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Color

**XYZ(54.3722, 44.2194,
16.4960)**

Conversions

Conversions Part 1

Format	Color
Hex	FF975F
RGB	255, 151, 95
RGB Percent	100%, 59%, 37%
CMY	0.0000, 0.4078, 0.6274
CMYK	0.00, 0.41, 0.63, 0.00
HSL	21°, 100%, 69%
HSV	21°, 63%, 100%
XYZ	54.3722, 44.2194, 16.4960
YIQ	175.7120, 79.9600, 4.6320

Conversions

Conversions Part 2

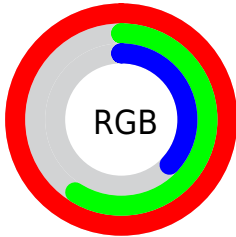
Format	Color
R_{YB}	255, 181, 95
Decimal	16750431
CIE _{Lab}	72.37, 34.14, 45.75
CIE _{LCh}	72, 57.084, 53.270
Yxy	44.2194, 0.4724, 0.3842
Android (android.graphics.Color)	4294940511 (0xFFFF975F)
YUV	175.7120, -39.7910, 69.5356
Hunter-Lab	66.4977, 29.5806, 31.8404

Details

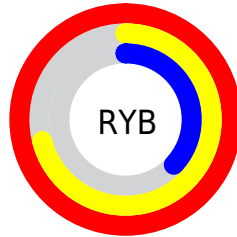
The XYZ color **54.3722, 44.2194, 16.4960** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **43.1916, 50.4972, 102.0779**, and the grayscale version is **41.2894, 43.4397, 47.3058**.

A 20% lighter version of the original color is **68.5778, 67.5092, 37.0199**, and **26.9473, 20.4584, 5.1134** is the 20% darker color. If you saturate the color by 10%, you get **50.9148, 38.8660, 10.5307**, and if you desaturate by 10%, it is **58.5860, 50.4791, 24.5851**.

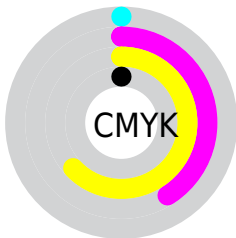
Distribution



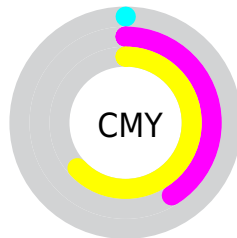
- Red (100%)
- Green (59%)
- Blue (37%)



- Red (100%)
- Yellow (71%)
- Blue (37%)



- Cyan (0%)
- Magenta (41%)
- Yellow (63%)
- Black (0%)





- Cyan (0%)
- Magenta (41%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.3722, 44.2194, 16.4960 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 54.3722, 44.2194, 16.4960 by changing the saturation by 10% instead.


 54.3722, 44.2194,
16.4960


 54.3722, 44.2194,
16.4960


393.7030,
363.6028, 244.1958


 39.1312, 30.8430,
9.7177

 95.7742, 81.5478,
38.2359

 27.0430, 20.4793,
5.1090


 122.6659,
106.2686, 54.0345

 17.7422, 12.7440,
2.2515


 154.1719,
135.5397, 73.6769

 10.8637, 7.2525,
0.7039

 190.6574,
169.7454, 97.5818

 6.0418, 3.6205,
0.0000

232.4880,
209.2702, 126.1676

 2.9114, 1.4636,
0.0000

280.0288,

 1.1071, 0.2629,

254.4984, 159.8528

0.0000

333.6454,
305.8145, 199.0560

■ 0.0311, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.3722, 44.2194,
16.4960

■ 54.3722, 44.2194,
16.4960

■ 50.9148, 38.8660,
10.5307

■ 58.5860, 50.4791,
24.5851

■ 48.1563, 34.3655,
6.4782

■ 63.6010, 57.6808,
34.9763

■ 46.0346, 30.6681,
4.0873

■ 69.4620, 65.8665,
47.8318

■ 44.8338, 28.4479,
3.1280

■ 76.2092, 75.0734,
63.2984

83.8799, 85.3365,
81.5110

92.5094, 96.6893,
102.5955

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.



61.8865, 44.2194, 29.7768



54.3722, 44.2194, 16.4960



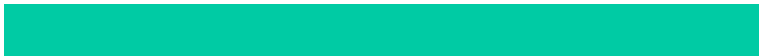
44.2826, 44.2194, 11.9214

Triad

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



54.3722, 44.2194, 16.4960



25.9185, 44.2194, 42.0803



49.9447, 44.2194, 116.9313

Complementary

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



54.3722, 44.2194, 16.4960



43.1916, 50.4972, 102.0779

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.



39.8536, 44.2194, 124.3634



54.3722, 44.2194, 16.4960



26.9512, 44.2194, 72.8466

Square

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



54.3722, 44.2194, 16.4960



28.6315, 44.2194, 22.4943



31.7117, 44.2194, 105.8439



59.0646, 44.2194, 88.3022

Rectangle

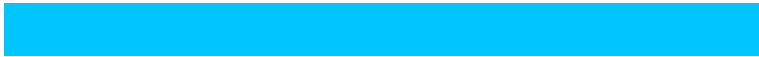
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



54.3722, 44.2194, 16.4960



37.8394, 44.2194, 12.3491



31.7117, 44.2194, 105.8439



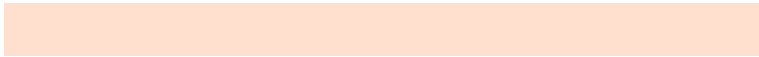
46.5174, 44.2194, 122.3560

Sweetspot

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



54.3732, 44.2217, 16.4968



78.9715, 78.7909, 69.7894



55.6411, 33.5682, 57.5798



16.4490, 16.2538, 13.8690



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.



54.3732, 44.2217, 16.4968



50.2337, 37.7780, 9.4576



71.8814, 79.2379, 22.3329



18.5294, 19.0270, 18.8403



23.5527, 15.1165, 1.6764



2.3911, 1.6676, 0.1958

Inverse Universe

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



43.1916, 50.4972, 102.0779



38.1432, 44.2917, 101.1465



29.3665, 22.8470, 97.4695



17.9884, 19.3484, 23.0365



16.6775, 18.2646, 52.0810



1.7264, 1.9835, 5.1051

Previews

White Background



This preview shows how the XYZ color 54.3722, 44.2194, 16.4960 looks on a white background.

Color Contrast Check

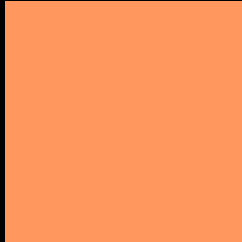
Large Text (above 18pt) WCAG AA × Fail

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 54.3722, 44.2194, 16.4960 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 54.3722, 44.2194, 16.4960

Background



This preview shows how black text looks on a background with the XYZ color 54.3722, 44.2194, 16.4960.



This preview shows how white text looks on a background with the XYZ color 54.3722, 44.2194,

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

54.3722, 44.2194, 16.4960

Protanopia

40.9759, 44.4628, 19.7871

Deuteranopia

45.2897, 44.1913, 16.0403



Tritanopia

57.5196, 44.2181, 36.9558

Trichromacy



Original Color

54.3722, 44.2194, 16.4960



Protanomaly

44.9669, 43.6966, 18.3762



Deuteranomaly

48.1308, 43.7692, 16.0367



Tritanomaly

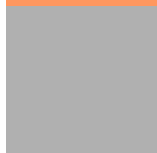
56.1330, 44.1610, 28.1197

Monochromacy



Original Color

54.3722, 44.2194, 16.4960



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

44.2620, 42.7232, 33.5173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.3722, 44.2194, 16.4960 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, 151, 95)` looks like.

```
.text, #text, p{  
    color:rgb(255, 151, 95)  
}
```

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, 151, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 151, 95) }
```

Border

The CSS property to change the border of an element to XYZ 54.3722, 44.2194, 16.4960 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, 151, 95) }
```


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

```
.border{ border-color:rgb(255, 151, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 151, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 151, 95); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 151, 95); box-shadow:4px 4px 4px 4px rgb(255, 151, 95) }
```

Background

The CSS property to change the background color of an element to XYZ 54.3722, 44.2194, 16.4960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 151, 95) }
```

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

```
.background{ background-color: rgb(255,  
151, 95) }
```

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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