

Converting Colors

XYZ(52.2585, 39.4599, 17.4326)

Have a look what the booklet for
XYZ(52.2585, 39.4599, 17.4326)
contains.

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Color

**XYZ(52.3022, 39.5473,
17.4471)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8766
RGB	255, 135, 102
RGB Percent	100%, 53%, 40%
CMY	0.0000, 0.4706, 0.6000
CMYK	0.00, 0.47, 0.60, 0.00
HSL	13°, 100%, 70%
HSV	13°, 60%, 100%
XYZ	52.3022, 39.5473, 17.4471
YIQ	167.1180, 82.1130, 15.1770

Conversions

Conversions Part 2

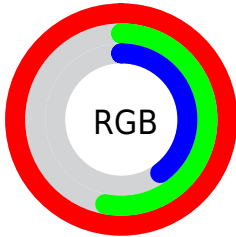
Format	Color
R_{YB}	255, 144, 102
Decimal	16746342
CIE _{Lab}	69.15, 42.72, 38.17
CIE _{LCh}	69, 57.291, 41.782
Yxy	39.5473, 0.4785, 0.3618
Android (android.graphics.Color)	4294936422 (0xFFFF8766)
YUV	167.1180, -32.1032, 77.0725
Hunter-Lab	62.8866, 38.4051, 27.5714

Details

The XYZ color **52.3022, 39.5473, 17.4471** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **49.6487, 62.2833, 104.0122**, and the grayscale version is **36.9128, 38.8352, 42.2915**.

A 20% lighter version of the original color is **65.4862, 60.4200, 38.7826**, and **25.6755, 17.6384, 5.5413** is the 20% darker color. If you saturate the color by 10%, you get **48.6935, 34.0523, 10.9355**, and if you desaturate by 10%, it is **56.8257, 46.2502, 26.1825**.

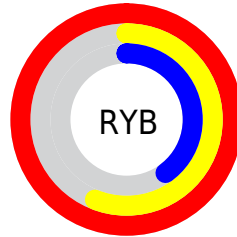
Distribution



Red (100%)

Green (53%)

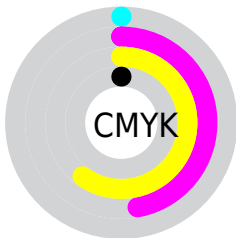
Blue (40%)



Red (100%)

Yellow (56%)

Blue (40%)

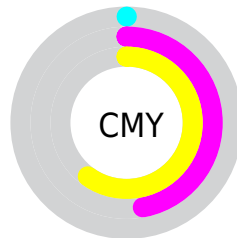


Cyan (0%)

Magenta (47%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.3022, 39.5473, 17.4471 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 52.3022, 39.5473, 17.4471 by changing the saturation by 10% instead.


 52.3022, 39.5473,
17.4471


 52.3022, 39.5473,
17.4471


385.9070,
344.2118, 249.8665

 37.4713, 27.1858,
10.3885


 92.7484, 74.4737,
39.8940


 25.7479, 17.7128,
5.5483


 119.0943, 97.8073,
56.1194

 16.7668, 10.7440,
2.5081


 150.0092,
125.5670, 76.2375

 10.1627, 5.8950,
0.8445

 185.8586,
158.1373, 100.6667

 5.5700, 2.7813,
0.0000

227.0077,
195.9026, 129.8257

 2.6236, 1.0187,
0.0000

273.8219,

 0.9580, 0.0000,

239.2471, 164.1329

0.0000

326.6665,
288.5554, 204.0070

■ 0.0000, 0.0000,
0.0000

■ 52.3022, 39.5473,
17.4471

■ 52.3022, 39.5473,
17.4471

■ 48.6935, 34.0523,
10.9355

■ 56.8257, 46.2502,
26.1825

■ 45.9304, 29.6852,
6.4411

■ 62.3206, 54.2219,
37.3187

■ 43.9375, 26.3660,
3.7217

■ 68.8421, 63.5265,
51.0172

■ 42.6065, 23.9935,
2.3856

■ 76.4401, 74.2219,
67.4247

■ 42.6065, 23.9934,
2.3856

■ 85.1614, 86.3626,
86.6771

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.



57.5882, 39.5473, 33.5650



52.3022, 39.5473, 17.4471



43.3649, 39.5473, 10.7314

Triad

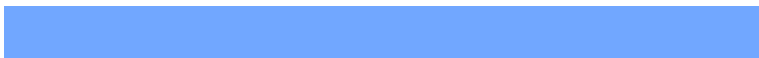
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



52.3022, 39.5473, 17.4471



23.2246, 39.5473, 29.1438



41.2986, 39.5473, 113.6674

Complementary

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



52.3022, 39.5473, 17.4471



49.6487, 62.2833, 104.0122

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.



32.3494, 39.5473, 110.8921



52.3022, 39.5473, 17.4471



22.8555, 39.5473, 54.1961

Square

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



52.3022, 39.5473, 17.4471



27.0373, 39.5473, 15.3460



25.9308, 39.5473, 86.1425



50.5796, 39.5473, 92.6546

Rectangle

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



52.3022, 39.5473, 17.4471



37.0438, 39.5473, 9.7705



25.9308, 39.5473, 86.1425



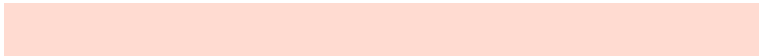
38.1385, 39.5473, 115.6610

Sweetspot

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



52.3031, 39.5494, 17.4478



78.0931, 76.5326, 71.0429



59.5000, 36.1664, 74.6503



16.2036, 15.6656, 14.0872



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.



52.3031, 39.5494, 17.4478



48.0756, 33.0909, 9.8821



66.4630, 67.8691, 22.1678



18.3270, 18.6221, 18.7728



22.3507, 12.7127, 1.2758



2.2519, 1.3891, 0.1494

Inverse Universe

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



49.6487, 62.2833, 104.0122



45.0781, 57.3751, 103.3064



34.1038, 31.1934, 98.8305



18.2028, 19.7771, 23.1079



20.3364, 25.5824, 53.3006



2.0588, 2.6483, 5.2159

Previews

White Background



This preview shows how the XYZ color 52.3022, 39.5473, 17.4471 looks on a white background.

Color Contrast Check

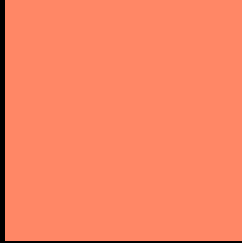
Large Text (above 18pt) WCAG AA × Fail

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 52.3022, 39.5473, 17.4471 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 52.3022, 39.5473, 17.4471

Background



This preview shows how black text looks on a background with the XYZ color 52.3022, 39.5473, 17.4471.



This preview shows how white text looks on a background with the XYZ color 52.3022, 39.5473,

17.4471.

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

52.3022, 39.5473, 17.4471

Protanopia

36.8109, 39.6810, 21.9387

Deuteranopia

40.3561, 39.4746, 16.8016



Tritanopia

54.2249, 39.6560, 29.6073

Trichromacy



Original Color

52.3022, 39.5473, 17.4471

Protanomaly

41.1659, 38.7950, 20.0704

Deuteranomaly

44.2208, 39.2046, 17.0409

Tritanomaly

53.3934, 39.5414, 24.5568

Monochromacy



Original Color

52.3022, 39.5473, 17.4471

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

40.2325, 37.5680, 31.1175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.3022, 39.5473, 17.4471 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, 135, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 102)  
}
```

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, 135, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 102) }
```

Border

The CSS property to change the border of an element to XYZ 52.3022, 39.5473, 17.4471 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, 135, 102) }
```


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

```
.border{ border-color:rgb(255, 135, 102) }
```

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

Here you see how a box with a 4 pixel rgb(255, 135, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 52.3022, 39.5473, 17.4471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 102) }
```

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

```
.background{ background-color: rgb(255,  
135, 102) }
```

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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