

Converting Colors

XYZ(51.4734, 39.5483, 16.5890)

Have a look what the booklet for
XYZ(51.4734, 39.5483, 16.5890)
contains.

XYZ(51.2951, 39.4686, 16.4699)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(51.2951, 39.4686,
16.4699)**

Conversions

Conversions Part 1

Format	Color
Hex	FC8962
RGB	252, 137, 98
RGB Percent	99%, 54%, 38%
CMY	0.0118, 0.4627, 0.6157
CMYK	0.00, 0.46, 0.61, 0.01
HSL	15°, 96%, 69%
HSV	15°, 61%, 99%
XYZ	51.2951, 39.4686, 16.4699
YIQ	166.9390, 81.0590, 12.2510

Conversions

Conversions Part 2

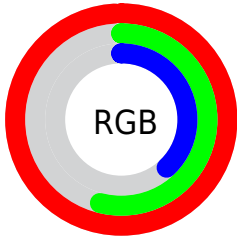
Format	Color
R _Y B	252, 150, 98
Decimal	16550242
CIE Lab	69.09, 40.32, 40.14
CIE LCh	69, 56.894, 44.875
Yxy	39.4686, 0.4783, 0.3681
Android (android.graphics.Color)	4294740322 (0xFFFC8962)
YUV	166.9390, -33.9869, 74.5985
Hunter-Lab	62.8240, 35.8011, 28.4334

Details

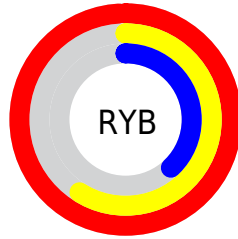
The XYZ color **51.2951, 39.4686, 16.4699** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **46.4002, 57.2099, 100.6919**, and the grayscale version is **36.8346, 38.7529, 42.2019**.

A 20% lighter version of the original color is **65.5947, 61.1613, 37.2023**, and **25.0594, 17.6744, 5.1083** is the 20% darker color. If you saturate the color by 10%, you get **47.8415, 34.1755, 10.3439**, and if you desaturate by 10%, it is **55.5914, 45.8485, 24.7247**.

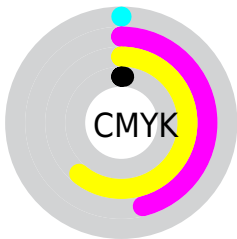
Distribution



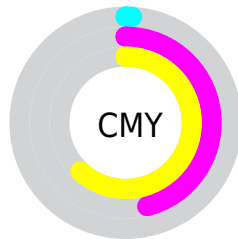
- Red (99%)
- Green (54%)
- Blue (38%)



- Red (99%)
- Yellow (59%)
- Blue (38%)



- Cyan (0%)
- Magenta (46%)
- Yellow (61%)
- Black (1%)





- Cyan (1%)
- Magenta (46%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2951, 39.4686, 16.4699 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 51.2951, 39.4686, 16.4699 by changing the saturation by 10% instead.


 51.2951, 39.4686,
16.4699


 51.2951, 39.4686,
16.4699


382.0780,
343.8787, 244.0384


 36.6655, 27.1245,
9.6993


 91.2712, 74.3536,
38.1901


 25.1211, 17.6667,
5.0971


 117.3485, 97.6633,
53.9769

 16.2965, 10.7110,
2.2446

 147.9723,
125.3970, 73.6061

 9.8264, 5.8728,
0.6999

 183.5081,
157.9390, 97.4964

 5.3454, 2.7679,
0.0000

224.3213,
195.6738, 126.0662

 2.4881, 1.0118,
0.0000

270.7770,

 0.8893, 0.0000,

238.9857, 159.7341

0.0000

323.2408,
288.2592, 198.9187

■ 0.0000, 0.0000,
0.0000

■ 51.2951, 39.4686,
16.4699

■ 51.2951, 39.4686,
16.4699

■ 47.8415, 34.1755,
10.3439

■ 55.5914, 45.8485,
24.7247

■ 45.1673, 29.9001,
6.1441

■ 60.7821, 53.3668,
35.2810

■ 43.2029, 26.5740,
3.6318

■ 66.9173, 62.0788,
48.2963

■ 41.9684, 24.3429,
2.4867

■ 74.0428, 72.0345,
63.9134

■ 82.2012, 83.2809,
82.2641

91.4324, 95.8625,
103.4712

93.9546, 99.4353,
108.8487

Harmonies

Analogous

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



57.0428, 39.4686, 31.3748



51.2951, 39.4686, 16.4699



42.2558, 39.4686, 10.5231

Triad

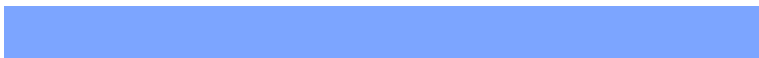
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



51.2951, 39.4686, 16.4699



23.0583, 39.4686, 31.2044



42.1762, 39.4686, 111.6726

Complementary

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



51.2951, 39.4686, 16.4699



46.4002, 57.2099, 100.6919

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.



33.1404, 39.4686, 111.5659



51.2951, 39.4686, 16.4699



23.0441, 39.4686, 57.1300

Square

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



51.2951, 39.4686, 16.4699



26.4950, 39.4686, 16.3887



26.4523, 39.4686, 88.7848



51.2288, 39.4686, 89.0351

Rectangle

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



51.2951, 39.4686, 16.4699



36.0496, 39.4686, 9.9276



26.4523, 39.4686, 88.7848



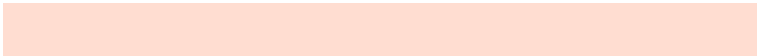
39.0170, 39.4686, 114.5216

Sweetspot

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



51.2960, 39.4707, 16.4706



78.5452, 77.4368, 71.1935



56.5862, 34.2604, 66.9144



16.3122, 15.8828, 14.1234



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.



51.2960, 39.4707, 16.4706



48.5549, 34.1786, 9.6439



66.2694, 69.4175, 21.4617



17.6018, 17.9395, 17.9974



21.9605, 12.8778, 1.3282



2.1148, 1.3544, 0.1500

Inverse Universe

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



46.4002, 57.2099, 100.6919



43.0129, 53.5183, 102.6708



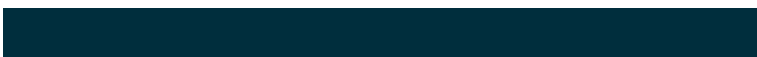
31.4826, 27.3747, 95.7194



17.3718, 18.8204, 22.1024



18.6635, 22.6825, 51.3681



1.8130, 2.2696, 4.7857

Previews

White Background



This preview shows how the XYZ color 51.2951, 39.4686, 16.4699 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 51.2951, 39.4686, 16.4699 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 51.2951, 39.4686, 16.4699

Background



This preview shows how black text looks on a background with the XYZ color 51.2951, 39.4686, 16.4699.



This preview shows how white text looks on a background with the XYZ color 51.2951, 39.4686,

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

51.2951, 39.4686, 16.4699

Protanopia

36.7696, 39.6921, 20.4752

Deuteranopia

40.4528, 39.5454, 15.8569



Tritanopia

54.1640, 39.4157, 29.9525

Trichromacy



Original Color

51.2951, 39.4686, 16.4699

Protanomaly

40.9530, 38.7099, 18.9490

Deuteranomaly

43.7252, 38.9707, 16.0440

Tritanomaly

52.9623, 39.3266, 24.2014

Monochromacy



Original Color

51.2951, 39.4686, 16.4699

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

40.0597, 37.7357, 30.7635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2951, 39.4686, 16.4699 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(252, 137, 98)` looks like.

```
.text, #text, p{  
    color:rgb(252, 137, 98)  
}
```

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(252, 137, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 137, 98) }
```

Border

The CSS property to change the border of an element to XYZ 51.2951, 39.4686, 16.4699 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(252, 137, 98) }
```


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

```
.border{ border-color:rgb(252, 137, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 137, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 137, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 137, 98);  
box-shadow:4px 4px 4px 4px rgb(252, 137,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2951, 39.4686, 16.4699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 137, 98) }
```

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

```
.background{ background-color: rgb(252,  
137, 98) }
```

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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