

Converting Colors

XYZ(52.2970, 39.9959, 16.0300)

Have a look what the booklet for
XYZ(52.2970, 39.9959, 16.0300)
contains.

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Color

**XYZ(52.2970, 39.9958,
16.0299)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8960
RGB	255, 137, 96
RGB Percent	100%, 54%, 38%
CMY	0.0000, 0.4627, 0.6235
CMYK	0.00, 0.46, 0.62, 0.00
HSL	15°, 100%, 69%
HSV	15°, 62%, 100%
XYZ	52.2970, 39.9958, 16.0299
YIQ	167.6080, 83.4890, 12.2650

Conversions

Conversions Part 2

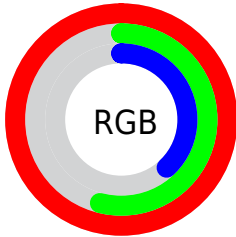
Format	Color
R_{YB}	255, 151, 96
Decimal	16746848
CIE _{Lab}	69.47, 41.33, 41.75
CIE _{LCh}	69, 58.744, 45.293
Yxy	39.9958, 0.4828, 0.3692
Android (android.graphics.Color)	4294936928 (0xFFFF8960)
YUV	167.6080, -35.3027, 76.6428
Hunter-Lab	63.2422, 36.9334, 29.2414

Details

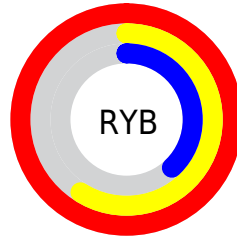
The XYZ color **52.2970, 39.9958, 16.0299** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **46.9188, 57.7966, 103.2904**, and the grayscale version is **37.1672, 39.1028, 42.5829**.

A 20% lighter version of the original color is **65.3561, 61.0659, 35.9460**, and **25.7743, 18.0479, 4.9214** is the 20% darker color. If you saturate the color by 10%, you get **48.8496, 34.6851, 9.9979**, and if you desaturate by 10%, it is **56.5987, 46.4065, 24.2250**.

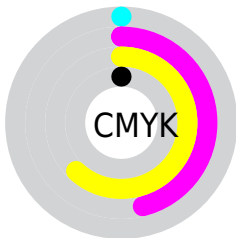
Distribution



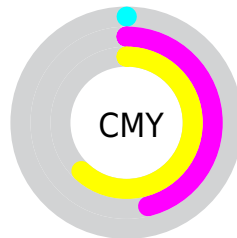
- Red (100%)
- Green (54%)
- Blue (38%)



- Red (100%)
- Yellow (59%)
- Blue (38%)



- Cyan (0%)
- Magenta (46%)
- Yellow (62%)
- Black (0%)





- Cyan (0%)
- Magenta (46%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.2970, 39.9958, 16.0299 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 52.2970, 39.9958, 16.0299 by changing the saturation by 10% instead.


 52.2970, 39.9958,
16.0299


 52.2970, 39.9958,
16.0299


385.8873,
346.1059, 241.3698

 37.4671, 27.5353,
9.3907


 92.7407, 75.1571,
37.4176

 25.7447, 17.9756,
4.8966


 119.0853, 98.6267,
53.0032

 16.7644, 10.9325,
2.1291


 149.9987,
126.5347, 72.4081

 10.1609, 6.0215,
0.6330

 185.8465,
159.2657, 96.0507

 5.5689, 2.8581,
0.0000

226.9938,
197.2038, 124.3497

 2.6229, 1.0581,
0.0000

273.8062,

 0.9576, 0.0000,

240.7337, 157.7235

0.0000

326.6489,
290.2395, 196.5907

■ 0.0000, 0.0000,
0.0000

■ 52.2970, 39.9958,
16.0299

■ 52.2970, 39.9958,
16.0299

■ 48.8496, 34.6851,
9.9979

■ 56.5987, 46.4065,
24.2250

■ 46.1906, 30.4035,
5.9167

■ 61.8080, 53.9698,
34.7638

■ 44.2478, 27.0808,
3.5338

■ 67.9768, 62.7425,
47.8103

■ 43.1744, 25.1290,
2.5748

■ 75.1522, 72.7755,
63.5129

■ 83.3779, 84.1168,
82.0085

92.6951, 96.8119,
103.4244

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.



58.3932, 39.9958, 31.2053



52.2970, 39.9958, 16.0299



42.8212, 39.9958, 10.1004

Triad

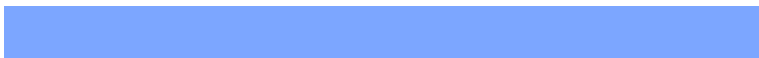
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



52.2970, 39.9958, 16.0299



22.9984, 39.9958, 31.6192



43.0160, 39.9958, 115.5822

Complementary

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



52.2970, 39.9958, 16.0299



46.9188, 57.7966, 103.2904

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.



33.5823, 39.9958, 115.8467



52.2970, 39.9958, 16.0299



23.0328, 39.9958, 58.7808

Square

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



52.2970, 39.9958, 16.0299



26.4994, 39.9958, 16.2242



26.6029, 39.9958, 92.0429



52.4599, 39.9958, 91.4239

Rectangle

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



52.2970, 39.9958, 16.0299



36.3617, 39.9958, 9.5504



26.6029, 39.9958, 92.0429



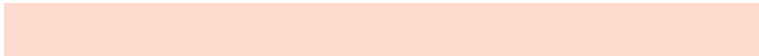
39.7172, 39.9958, 118.7198

Sweetspot

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



52.2979, 39.9979, 16.0306



77.7909, 76.4297, 69.3958



57.7207, 34.5451, 68.0842



16.1670, 15.6898, 13.7750



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.



52.2979, 39.9979, 16.0306



48.0717, 33.4541, 8.7369



67.7154, 70.8328, 21.1698



18.3901, 18.7485, 18.7939



22.6607, 13.3326, 1.3791



2.2900, 1.4654, 0.1622

Inverse Universe

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



46.9188, 57.7966, 103.2904



42.1415, 52.2884, 102.4793



31.6431, 27.2451, 98.1984



18.1351, 19.6417, 23.0854



19.0935, 23.0966, 52.8863



1.9472, 2.4251, 5.1787

Previews

White Background



This preview shows how the XYZ color 52.2970, 39.9958, 16.0299 looks on a white background.

Color Contrast Check

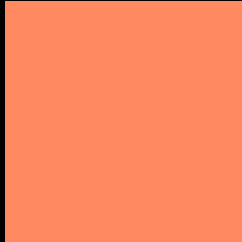
Large Text (above 18pt) WCAG AA × Fail

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 52.2970, 39.9958, 16.0299 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 52.2970, 39.9958, 16.0299

Background



This preview shows how black text looks on a background with the XYZ color 52.2970, 39.9958, 16.0299.



This preview shows how white text looks on a background with the XYZ color 52.2970, 39.9958,

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

52.2970, 39.9958, 16.0299

Protanopia

37.0891, 40.1464, 19.9816

Deuteranopia

40.8211, 40.0059, 15.4679



Tritanopia

54.5100, 39.9881, 30.4367

Trichromacy



Original Color

52.2970, 39.9958, 16.0299

Protanomaly

41.3039, 39.1548, 18.4774

Deuteranomaly

44.4184, 39.5803, 15.6546

Tritanomaly

53.4668, 39.7909, 24.2644

Monochromacy



Original Color

52.2970, 39.9958, 16.0299

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

40.7589, 38.3463, 30.8445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2970, 39.9958, 16.0299 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, 137, 96)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 96)  
}
```

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, 137, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 96) }
```

Border

The CSS property to change the border of an element to XYZ 52.2970, 39.9958, 16.0299 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, 137, 96) }
```


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

```
.border{ border-color:rgb(255, 137, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 137, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 137, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 137, 96);  
box-shadow:4px 4px 4px 4px rgb(255, 137,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2970, 39.9958, 16.0299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 137, 96) }
```

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

```
.background{ background-color: rgb(255,  
137, 96) }
```

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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