

Converting Colors

XYZ(52.8886, 40.9232, 17.0161)

Have a look what the booklet for
XYZ(52.8886, 40.9232, 17.0161)
contains.

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Color

**XYZ(52.8702, 40.9170,
16.9156)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8C63
RGB	255, 140, 99
RGB Percent	100%, 55%, 39%
CMY	0.0000, 0.4510, 0.6118
CMYK	0.00, 0.45, 0.61, 0.00
HSL	16°, 100%, 69%
HSV	16°, 61%, 100%
XYZ	52.8702, 40.9170, 16.9156
YIQ	169.7110, 81.7010, 11.6290

Conversions

Conversions Part 2

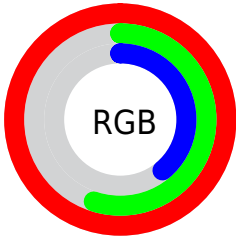
Format	Color
R_{YB}	255, 155, 99
Decimal	16747619
CIE Lab	70.12, 40.01, 40.96
CIE LCh	70, 57.261, 45.674
Yxy	40.9170, 0.4776, 0.3696
Android (android.graphics.Color)	4294937699 (0xFFFF8C63)
YUV	169.7110, -34.8605, 74.7985
Hunter-Lab	63.9664, 35.5946, 29.0975

Details

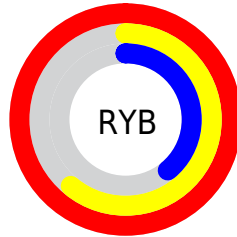
The XYZ color **52.8702, 40.9170, 16.9156** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **47.2405, 57.9625, 103.3052**, and the grayscale version is **38.2052, 40.1949, 43.7722**.

A 20% lighter version of the original color is **66.3410, 62.5246, 37.8501**, and **26.0796, 18.5559, 5.3391** is the 20% darker color. If you saturate the color by 10%, you get **49.3221, 35.4736, 10.6384**, and if you desaturate by 10%, it is **57.2742, 47.4569, 25.3769**.

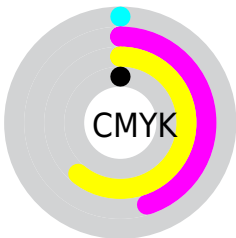
Distribution



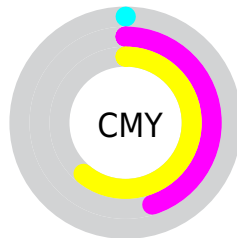
- Red (100%)
- Green (55%)
- Blue (39%)



- Red (100%)
- Yellow (61%)
- Blue (39%)



- Cyan (0%)
- Magenta (45%)
- Yellow (61%)
- Black (0%)



- Cyan (0%)
- Magenta (45%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.8702, 40.9170, 16.9156 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 52.8702, 40.9170, 16.9156 by changing the saturation by 10% instead.

52.8702, 40.9170,
16.9156

52.8702, 40.9170,
16.9156

388.0560,
349.9736, 246.7130

37.9262, 28.2542,
10.0130

93.5800, 76.5579,
38.9693

26.1024, 18.5174,
5.3019

120.0765,
100.3048, 54.9574

17.0333, 11.3221,
2.3636

151.1546,
128.5152, 74.8112

10.3537, 6.2839,
0.7665

187.1796,
161.5735, 98.9491

5.6982, 3.0185,
0.0000

228.5169,
199.8641, 127.7897

2.7013, 1.1414,
0.0000

275.5318,

0.9979, 0.0130,

243.7714, 161.7515

0.0000

328.5897,
293.6798, 201.2531

■ 0.0000, 0.0000,
0.0000

■ 52.8702, 40.9170,
16.9156

■ 52.8702, 40.9170,
16.9156

■ 49.3221, 35.4736,
10.6384

■ 57.2742, 47.4569,
25.3769

■ 46.5654, 31.0576,
6.3369

■ 62.5861, 55.1444,
36.2000

■ 44.5301, 27.6011,
3.7652

■ 68.8569, 64.0346,
49.5469

■ 43.2487, 25.2777,
2.5996

■ 76.1328, 74.1774,
65.5642

■ 84.4568, 85.6197,
84.3875

93.8694, 98.4058,
106.1432

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.



58.9198, 40.9170, 32.0267



52.8702, 40.9170, 16.9156



43.5158, 40.9170, 10.9472

Triad

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



52.8702, 40.9170, 16.9156



23.9289, 40.9170, 32.9761



43.9582, 40.9170, 114.8864

Complementary

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



52.8702, 40.9170, 16.9156



47.2405, 57.9625, 103.3052

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.



34.6049, 40.9170, 115.4778



52.8702, 40.9170, 16.9156



24.0083, 40.9170, 59.9783

Square

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



52.8702, 40.9170, 16.9156



27.3838, 40.9170, 17.3693



27.6215, 40.9170, 92.5333



53.2386, 40.9170, 91.1441

Rectangle

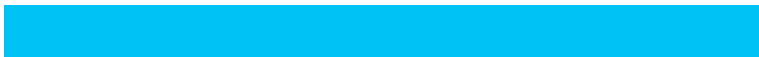
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.8702, 40.9170, 16.9156



37.1379, 40.9170, 10.4259



27.6215, 40.9170, 92.5333



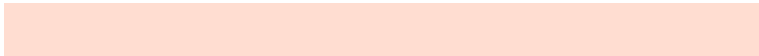
40.6971, 40.9170, 118.0444

Sweetspot

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



52.8712, 40.9191, 16.9163



78.6612, 77.6687, 71.2322



58.0964, 35.1417, 68.6867



16.3401, 15.9386, 14.1327



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.



52.8712, 40.9191, 16.9163



48.7623, 34.5934, 9.7130



68.0478, 71.2725, 21.9752



18.3976, 18.7634, 18.7964



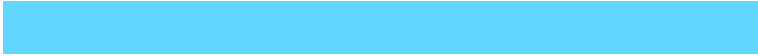
22.7011, 13.4134, 1.3926



2.2948, 1.4750, 0.1638

Inverse Universe

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



47.2405, 57.9625, 103.3052



42.5813, 52.6551, 102.5269



32.2843, 28.0499, 98.3198



18.1271, 19.6258, 23.0827



18.9531, 22.8157, 52.8395



1.9345, 2.3998, 5.1745

Previews

White Background



This preview shows how the XYZ color 52.8702, 40.9170, 16.9156 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 52.8702, 40.9170, 16.9156 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 52.8702, 40.9170, 16.9156

Background



This preview shows how black text looks on a background with the XYZ color 52.8702, 40.9170, 16.9156.



This preview shows how white text looks on a background with the XYZ color 52.8702, 40.9170,

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

52.8702, 40.9170, 16.9156

Protanopia

38.1153, 41.2175, 20.9858

Deuteranopia

41.8742, 41.0607, 16.3082



Tritanopia

55.1550, 40.9127, 31.7780

Trichromacy



Original Color

52.8702, 40.9170, 16.9156

Protanomaly

42.3760, 40.2002, 19.4359

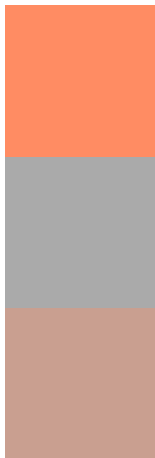
Deuteranomaly

45.1967, 40.4560, 16.4930

Tritanomaly

54.0819, 40.7098, 25.4294

Monochromacy



Original Color

52.8702, 40.9170, 16.9156

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

41.5196, 39.2274, 31.7689

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.8702, 40.9170, 16.9156 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, 140, 99)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 99)  
}
```

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, 140, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 99) }
```

Border

The CSS property to change the border of an element to XYZ 52.8702, 40.9170, 16.9156 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, 140, 99) }
```


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

```
.border{ border-color:rgb(255, 140, 99) }
```

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

Here you see how a box with a 4 pixel rgb(255, 140, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 140, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 140, 99);  
box-shadow:4px 4px 4px 4px rgb(255, 140,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 52.8702, 40.9170, 16.9156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 140, 99) }
```

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

```
.background{ background-color: rgb(255,  
140, 99) }
```

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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