

Converting Colors

XYZ(63.4283, 45.6340, 19.9476)

Have a look what the booklet for
XYZ(63.4283, 45.6340, 19.9476)
contains.

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Color

**XYZ(52.9460, 40.2554,
19.4475)**

Conversions

Conversions Part 1

Format	Color
Hex	FF896D
RGB	255, 137, 109
RGB Percent	100%, 54%, 43%
CMY	0.0000, 0.4627, 0.5725
CMYK	0.00, 0.46, 0.57, 0.00
HSL	12°, 100%, 71%
HSV	12°, 57%, 100%
XYZ	52.9460, 40.2554, 19.4475
YIQ	169.0900, 79.3160, 16.3080

Conversions

Conversions Part 2

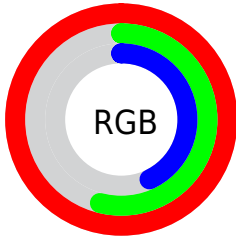
Format	Color
R _Y B	255, 144, 109
Decimal	16746861
CIE Lab	69.65, 42.22, 35.04
CIE LCh	70, 54.866, 39.693
Yxy	40.2554, 0.4700, 0.3574
Android (android.graphics.Color)	4294936941 (0xFFFF896D)
YUV	169.0900, -29.6244, 75.3431
Hunter-Lab	63.4471, 37.9239, 26.2397

Details

The XYZ color **52.9460, 40.2554, 19.4475** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **51.8241, 65.4059, 104.5006**, and the grayscale version is **37.8722, 39.8445, 43.3907**.

A 20% lighter version of the original color is **66.5227, 61.5325, 42.0890**, and **26.0049, 18.0150, 6.5215** is the 20% darker color. If you saturate the color by 10%, you get **49.1121, 34.4752, 12.3513**, and if you desaturate by 10%, it is **57.7394, 47.3180, 28.8281**.

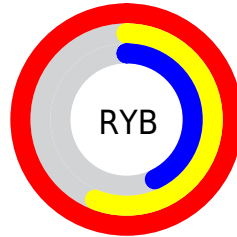
Distribution



Red (100%)

Green (54%)

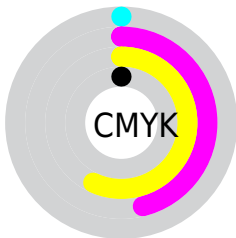
Blue (43%)



Red (100%)

Yellow (56%)

Blue (43%)

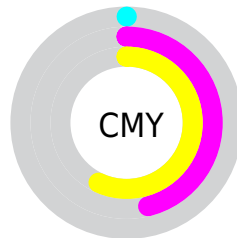


Cyan (0%)

Magenta (46%)

Yellow (57%)

Black (0%)



Cyan (0%)


Magenta (46%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.9460, 40.2554, 19.4475 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 52.9460, 40.2554, 19.4475 by changing the saturation by 10% instead.


 52.9460, 40.2554,
19.4475


 52.9460, 40.2554,
19.4475


388.3422,
347.1989, 261.4128


 37.9870, 27.7377,
11.8140

 93.6909, 75.5523,
43.3356


 26.1497, 18.1281,
6.4962


 120.2075, 99.1003,
60.4274

 17.0690, 11.0420,
3.0754


 151.3073,
127.0938, 81.5089

 10.3793, 6.0951,
1.1333

 187.3557,
159.9173, 106.9988

 5.7153, 2.9030,
0.0000

228.7180,
197.9552, 137.3156

 2.7118, 1.0813,
0.0000

275.7596,

 1.0032, 0.0000,

241.5918, 172.8778

0.0000

328.8459,
291.2116, 214.1040

■ 0.0000, 0.0000,
0.0000

■ 52.9460, 40.2554,
19.4475

■ 52.9460, 40.2554,
19.4475

■ 49.1121, 34.4752,
12.3513

■ 57.7394, 47.3180,
28.8281

■ 46.1674, 29.8930,
7.3398

■ 63.5502, 55.7282,
40.6654

■ 44.0359, 26.4239,
4.1819

■ 70.4348, 65.5538,
55.1177

■ 42.6243, 23.9673,
2.5807

■ 78.4446, 76.8567,
72.3291

■ 42.3346, 23.4495,
2.2949

■ 87.6278, 89.6946,
92.4334

95.0499, 99.9999,
108.9000

Harmonies

Analogous

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



57.6602, 40.2554, 36.1095



52.9460, 40.2554, 19.4475



44.4923, 40.2554, 12.1239

Triad

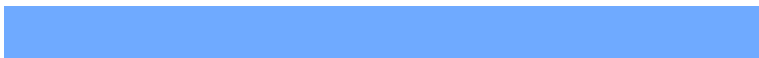
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



52.9460, 40.2554, 19.4475



24.3894, 40.2554, 28.9686



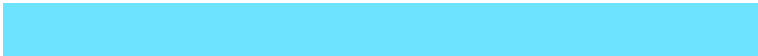
41.2062, 40.2554, 111.7779

Complementary

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



52.9460, 40.2554, 19.4475



51.8241, 65.4059, 104.5006

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.



32.6415, 40.2554, 107.4685



52.9460, 40.2554, 19.4475



23.7895, 40.2554, 52.5822

Square

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



52.9460, 40.2554, 19.4475



28.3681, 40.2554, 15.9619



26.5792, 40.2554, 83.0229



50.2232, 40.2554, 93.1951

Rectangle

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



52.9460, 40.2554, 19.4475



38.3530, 40.2554, 10.8803



26.5792, 40.2554, 83.0229



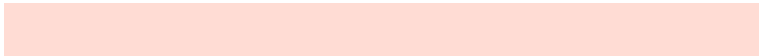
38.1702, 40.2554, 113.0835

Sweetspot

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



52.9470, 40.2575, 19.4482



78.6637, 77.1642, 72.8043



60.7447, 37.8119, 77.6655



16.4717, 16.0026, 14.7910



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.



52.9470, 40.2575, 19.4482



48.5361, 33.5913, 11.3323



66.7436, 67.8507, 24.0471



18.2913, 18.5508, 18.7609



22.2006, 12.4125, 1.2258



2.2324, 1.3502, 0.1429

Inverse Universe

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



51.8241, 65.4059, 104.5006



47.2007, 60.7286, 103.8418



36.1171, 33.9920, 99.2650



18.2413, 19.8543, 23.1208



21.0803, 27.0703, 53.5486



2.1250, 2.7808, 5.2380

Previews

White Background



This preview shows how the XYZ color 52.9460, 40.2554, 19.4475 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 52.9460, 40.2554, 19.4475 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 52.9460, 40.2554, 19.4475

Background



This preview shows how black text looks on a background with the XYZ color 52.9460, 40.2554, 19.4475.



This preview shows how white text looks on a background with the XYZ color 52.9460, 40.2554,

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

52.9460, 40.2554, 19.4475

Protanopia

37.7170, 40.3699, 24.5432

Deuteranopia

41.3280, 40.4593, 18.7279



Tritanopia

54.7230, 40.2934, 30.8798

Trichromacy



Original Color

52.9460, 40.2554, 19.4475

Protanomaly

42.0752, 39.4634, 22.5391

Deuteranomaly

44.8976, 39.9991, 18.9899

Tritanomaly

54.0007, 40.2266, 26.3911

Monochromacy



Original Color

52.9460, 40.2554, 19.4475

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

41.1428, 38.4999, 32.8665

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.9460, 40.2554, 19.4475 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, 109)` looks like.

```
.text, #text, p{  
  color:rgb(255, 137, 109)  
}
```

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, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 109) }
```

Border

The CSS property to change the border of an element to XYZ 52.9460, 40.2554, 19.4475 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, 109) }
```


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

```
.border{ border-color:rgb(255, 137, 109) }
```

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, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 137, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 137, 109);  
box-shadow:4px 4px 4px 4px rgb(255, 137,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 52.9460, 40.2554, 19.4475 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, 109) }
```

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

```
.background{ background-color: rgb(255,  
137, 109) }
```

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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