

Converting Colors

XYZ(52.8877, 40.2798, 18.9937)

Have a look what the booklet for
XYZ(52.8877, 40.2798, 18.9937)
contains.

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Color

**XYZ(52.8395, 40.2129,
18.8868)**

Conversions

Conversions Part 1

Format	Color
Hex	FF896B
RGB	255, 137, 107
RGB Percent	100%, 54%, 42%
CMY	0.0000, 0.4627, 0.5804
CMYK	0.00, 0.46, 0.58, 0.00
HSL	12°, 100%, 71%
HSV	12°, 58%, 100%
XYZ	52.8395, 40.2129, 18.8868
YIQ	168.8620, 79.9580, 15.6860

Conversions

Conversions Part 2

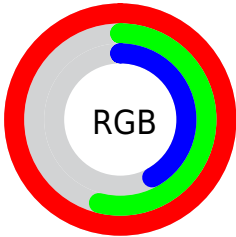
Format	Color
R_{YB}	255, 145, 107
Decimal	16746859
CIE Lab	69.62, 42.07, 36.08
CIE LCh	70, 55.426, 40.618
Yxy	40.2129, 0.4720, 0.3592
Android (android.graphics.Color)	4294936939 (0xFFFF896B)
YUV	168.8620, -30.4980, 75.5430
Hunter-Lab	63.4136, 37.7615, 26.7309

Details

The XYZ color **52.8395, 40.2129, 18.8868** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **51.0367, 64.1923, 104.3077**, and the grayscale version is **37.7633, 39.7300, 43.2659**.

A 20% lighter version of the original color is **66.3476, 61.4625, 41.1674**, and **25.9521, 17.9939, 6.2430** is the 20% darker color. If you saturate the color by 10%, you get **49.0677, 34.5092, 11.9583**, and if you desaturate by 10%, it is **57.5532, 47.1680, 28.0810**.

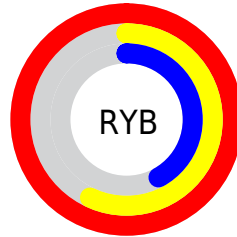
Distribution



Red (100%)

Green (54%)

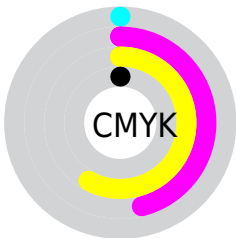
Blue (42%)



Red (100%)

Yellow (57%)

Blue (42%)

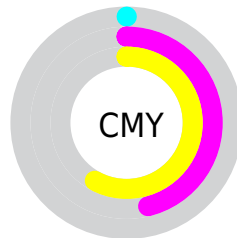


Cyan (0%)

Magenta (46%)

Yellow (58%)

Black (0%)



Cyan (0%)


Magenta (46%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.8395, 40.2129, 18.8868 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 52.8395, 40.2129, 18.8868 by changing the saturation by 10% instead.


 52.8395, 40.2129,
18.8868


 52.8395, 40.2129,
18.8868


387.9400,
347.0201, 258.2250


 37.9016, 27.7046,
11.4125

 93.5351, 75.4876,
42.3769


 26.0832, 18.1031,
6.2274


 120.0235, 99.0228,
59.2298

 17.0189, 11.0240,
2.9128


 151.0928,
127.0023, 80.0459

 10.3434, 6.0830,
1.0503

 187.1083,
159.8107, 105.2439

 5.6912, 2.8956,
0.0000

228.4354,
197.8323, 135.2423

 2.6971, 1.0775,
0.0000

275.4395,

 0.9957, 0.0000,

241.4514, 170.4596

0.0000

328.4859,
291.0526, 211.3143

■ 0.0000, 0.0000,
0.0000

■ 52.8395, 40.2129,
18.8868

■ 52.8395, 40.2129,
18.8868

■ 49.0677, 34.5092,
11.9583

■ 57.5532, 47.1680,
28.0810

■ 46.1683, 29.9749,
7.0939

■ 63.2657, 55.4372,
39.7142

■ 44.0663, 26.5276,
4.0599

■ 70.0328, 65.0866,
53.9455

■ 42.6663, 24.0691,
2.5407

■ 77.9048, 76.1760,
70.9196

■ 42.4545, 23.6893,
2.3349

■ 86.9293, 88.7616,
90.7708

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.



57.7681, 40.2129, 35.3121



52.8395, 40.2129, 18.8868



44.2257, 40.2129, 11.7941

Triad

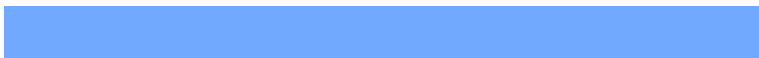
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



52.8395, 40.2129, 18.8868



24.1694, 40.2129, 29.3724



41.4827, 40.2129, 112.3474

Complementary

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



52.8395, 40.2129, 18.8868



51.0367, 64.1923, 104.3077

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.



32.7863, 40.2129, 108.7307



52.8395, 40.2129, 18.8868



23.6710, 40.2129, 53.5151

Square

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



52.8395, 40.2129, 18.8868



28.0709, 40.2129, 16.0047



26.5831, 40.2129, 84.3785



50.5636, 40.2129, 92.9038

Rectangle

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



52.8395, 40.2129, 18.8868



38.0358, 40.2129, 10.6674



26.5831, 40.2129, 84.3785



38.4071, 40.2129, 113.9320

Sweetspot

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



52.8405, 40.2150, 18.8875



78.7882, 77.4131, 72.8458



60.1428, 37.2336, 75.5373



16.5008, 16.0607, 14.8007



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.



52.8405, 40.2150, 18.8875



48.4327, 33.5302, 10.8483



67.0887, 68.7114, 23.6369



18.3076, 18.5834, 18.7664



22.2670, 12.5452, 1.2479



2.2411, 1.3676, 0.1458

Inverse Universe

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



51.0367, 64.1923, 104.3077



46.3521, 59.3405, 103.6186



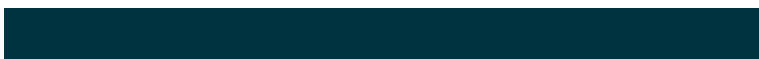
35.2447, 32.6082, 99.0437



18.2237, 19.8190, 23.1149



20.7368, 26.3832, 53.4341



2.0945, 2.7197, 5.2278

Previews

White Background



This preview shows how the XYZ color 52.8395, 40.2129, 18.8868 looks on a white background.

Color Contrast Check

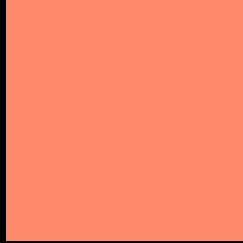
Large Text (above 18pt) WCAG AA × Fail

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 52.8395, 40.2129, 18.8868 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 52.8395, 40.2129, 18.8868

Background



This preview shows how black text looks on a background with the XYZ color 52.8395, 40.2129, 18.8868.



This preview shows how white text looks on a background with the XYZ color 52.8395, 40.2129,

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

52.8395, 40.2129, 18.8868

Protanopia

37.5321, 40.2959, 23.5690

Deuteranopia

41.2276, 40.4191, 18.1991



Tritanopia

54.7230, 40.2934, 30.8798

Trichromacy



Original Color

52.8395, 40.2129, 18.8868

Protanomaly

41.8997, 39.3932, 21.6149

Deuteranomaly

44.7948, 39.9580, 18.4484

Tritanomaly

53.9332, 40.1997, 26.0358

Monochromacy



Original Color

52.8395, 40.2129, 18.8868

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

41.0647, 38.4686, 32.4550

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.8395, 40.2129, 18.8868 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, 107)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 107)  
}
```

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, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 107) }
```

Border

The CSS property to change the border of an element to XYZ 52.8395, 40.2129, 18.8868 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, 107) }
```


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

```
.border{ border-color:rgb(255, 137, 107) }
```

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, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 137, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 137, 107);  
box-shadow:4px 4px 4px 4px rgb(255, 137,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 52.8395, 40.2129, 18.8868 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, 107) }
```

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

```
.background{ background-color: rgb(255,  
137, 107) }
```

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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