

Converting Colors

XYZ(50.0670, 40.3487, 18.3953)

Have a look what the booklet for
XYZ(50.0670, 40.3487, 18.3953)
contains.

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Color

**XYZ(50.1792, 40.3789,
18.5138)**

Conversions

Conversions Part 1

Format	Color
Hex	F59069
RGB	245, 144, 105
RGB Percent	96%, 56%, 41%
CMY	0.0392, 0.4353, 0.5882
CMYK	0.00, 0.41, 0.57, 0.04
HSL	17°, 87%, 69%
HSV	17°, 57%, 96%
XYZ	50.1792, 40.3789, 18.5138
YIQ	169.7530, 72.7150, 9.2830

Conversions

Conversions Part 2

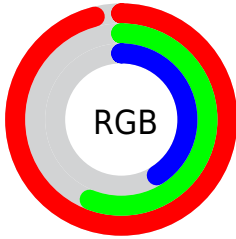
Format	Color
R _Y B	245, 159, 105
Decimal	16093289
CIE Lab	69.74, 34.55, 37.02
CIE LCh	70, 50.639, 46.983
Yxy	40.3789, 0.4601, 0.3702
Android (android.graphics.Color)	4294283369 (0xFF59069)
YUV	169.7530, -31.9232, 65.9916
Hunter-Lab	63.5444, 29.7537, 27.2068

Details

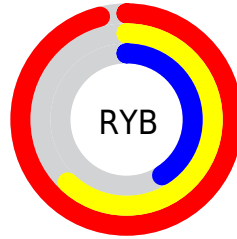
The XYZ color **50.1792, 40.3789, 18.5138** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **44.3770, 53.7355, 94.4187**, and the grayscale version is **38.2150, 40.2052, 43.7835**.

A 20% lighter version of the original color is **67.7492, 64.5412, 40.7852**, and **24.3328, 18.1400, 6.0898** is the 20% darker color. If you saturate the color by 10%, you get **46.6261, 35.0061, 11.9863**, and if you desaturate by 10%, it is **54.5160, 46.7391, 27.0923**.

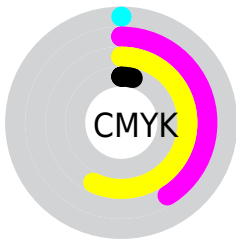
Distribution



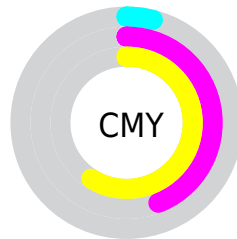
- Red (96%)
- Green (56%)
- Blue (41%)



- Red (96%)
- Yellow (62%)
- Blue (41%)



- Cyan (0%)
- Magenta (41%)
- Yellow (57%)
- Black (4%)




- Cyan (4%)
- Magenta (44%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.1792, 40.3789, 18.5138 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 50.1792, 40.3789, 18.5138 by changing the saturation by 10% instead.


 50.1792, 40.3789,
18.5138


 50.1792, 40.3789,
18.5138


377.8067,
347.7180, 256.0840


 35.7742, 27.8341,
11.1463


 89.6306, 75.7401,
41.7366


 24.4291, 18.2006,
6.0499


 115.4076, 99.3254,
58.4289

 15.7787, 11.0941,
2.8062


 145.7061,
127.3595, 79.0666

 9.4576, 6.1302,
0.9965

 180.8913,
160.2270, 104.0682

 5.1003, 2.9244,
0.0000

221.3286,
198.3122, 133.8521

 2.3416, 1.0924,
0.0000

267.3834,

 0.8158, 0.0000,

241.9995, 168.8371

0.0000

319.4210,
291.6733, 209.4415

■ 0.0000, 0.0000,
0.0000

■ 50.1792, 40.3789,
18.5138

■ 50.1792, 40.3789,
18.5138

■ 46.6261, 35.0061,
11.9863

■ 54.5160, 46.7391,
27.0923

■ 43.8022, 30.5626,
7.3321

■ 59.6801, 54.1281,
37.8748

■ 41.6498, 26.9936,
4.3464

■ 65.7151, 62.5924,
51.0019

■ 40.0974, 24.2338,
2.7653

■ 72.6604, 72.1738,
66.6020

■ 39.7389, 23.5782,
2.4566

■ 80.5531, 82.9115,
84.7942

89.4281, 94.8432,
105.6896

91.4660, 98.1524,
108.7323

Harmonies

Analogous

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



55.5310, 40.3789, 32.0448



50.1792, 40.3789, 18.5138



42.0431, 40.3789, 13.0022

Triad

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



50.1792, 40.3789, 18.5138



24.9687, 40.3789, 34.5541



43.1740, 40.3789, 102.8807

Complementary

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



50.1792, 40.3789, 18.5138



44.3770, 53.7355, 94.4187

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.



34.9341, 40.3789, 104.3140



50.1792, 40.3789, 18.5138



25.1815, 40.3789, 58.5277

Square

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



50.1792, 40.3789, 18.5138



27.9610, 40.3789, 19.7841



28.5909, 40.3789, 85.9659



51.1081, 40.3789, 82.5543

Rectangle

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



50.1792, 40.3789, 18.5138



36.4926, 40.3789, 12.6391



28.5909, 40.3789, 85.9659



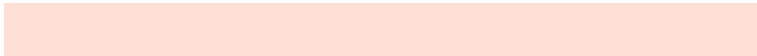
40.3291, 40.3789, 105.7899

Sweetspot

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



50.1802, 40.3810, 18.5145



79.6622, 79.1610, 73.1371



54.0519, 34.0535, 63.1838



16.7051, 16.4695, 14.8688



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.



50.1802, 40.3810, 18.5145



50.3817, 37.2825, 11.9475



63.8327, 67.6860, 23.0654



16.8749, 17.2340, 17.2347



21.5081, 12.9018, 1.3567



1.9733, 1.2999, 0.1469

Inverse Universe

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



44.3770, 53.7355, 94.4187



43.3445, 53.0162, 102.5564



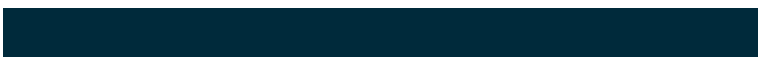
31.3481, 27.6776, 90.0758



16.5836, 17.9316, 21.1297



17.4435, 20.6808, 49.6105



1.6193, 1.9901, 4.3890

Previews

White Background



This preview shows how the XYZ color 50.1792, 40.3789, 18.5138 looks on a white background.

Color Contrast Check

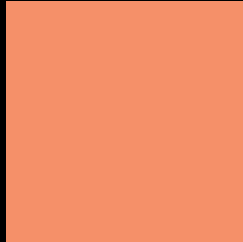
Large Text (above 18pt) WCAG AA × Fail

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 50.1792, 40.3789, 18.5138 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 50.1792, 40.3789, 18.5138

Background



This preview shows how black text looks on a background with the XYZ color 50.1792, 40.3789, 18.5138.



This preview shows how white text looks on a background with the XYZ color 50.1792, 40.3789,

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

50.1792, 40.3789, 18.5138

Protanopia

37.6650, 40.6779, 22.0861

Deuteranopia

41.1783, 40.3994, 17.9394



Tritanopia

53.1452, 40.2715, 32.9891

Trichromacy



Original Color

50.1792, 40.3789, 18.5138

Protanomaly

41.3462, 39.9028, 20.5618

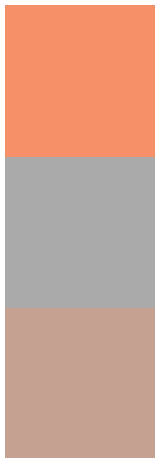
Deuteranomaly

44.1055, 40.1084, 17.9875

Tritanomaly

51.9007, 40.1963, 26.8530

Monochromacy



Original Color

50.1792, 40.3789, 18.5138

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

40.9591, 39.4354, 32.6471

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1792, 40.3789, 18.5138 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(245, 144, 105)` looks like.

```
.text, #text, p{  
    color:rgb(245, 144, 105)  
}
```

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(245, 144, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 144, 105) }
```

Border

The CSS property to change the border of an element to XYZ 50.1792, 40.3789, 18.5138 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(245, 144, 105) }
```


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

```
.border{ border-color:rgb(245, 144, 105) }
```

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

Here you see how a box with a 4 pixel rgb(245, 144, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 144, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 144, 105);  
box-shadow:4px 4px 4px 4px rgb(245, 144,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1792, 40.3789, 18.5138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 144, 105) }
```

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

```
.background{ background-color: rgb(245,  
144, 105) }
```

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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