

Converting Colors

XYZ(58.4632, 51.8692, 19.5008)

Have a look what the booklet for
XYZ(58.4632, 51.8692, 19.5008)
contains.

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Color

**XYZ(58.3908, 51.7244,
19.4766)**

Conversions

Conversions Part 1

Format	Color
Hex	FFAC66
RGB	255, 172, 102
RGB Percent	100%, 67%, 40%
CMY	0.0000, 0.3255, 0.6000
CMYK	0.00, 0.33, 0.60, 0.00
HSL	27°, 100%, 70%
HSV	27°, 60%, 100%
XYZ	58.3908, 51.7244, 19.4766
YIQ	188.8370, 71.9380, -4.1740

Conversions

Conversions Part 2

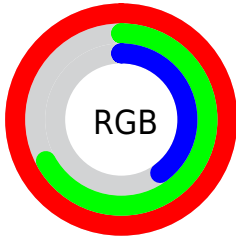
Format	Color
R _Y B	255, 231, 102
Decimal	16755814
CIE Lab	77.12, 23.69, 47.86
CIE LCh	77, 53.397, 63.665
Yxy	51.7244, 0.4506, 0.3991
Android (android.graphics.Color)	4294945894 (0xFFFFAC66)
YUV	188.8370, -42.8106, 58.0250
Hunter-Lab	71.9197, 19.0628, 34.2874

Details

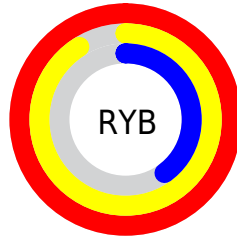
The XYZ color **58.3908, 51.7244, 19.4766** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **40.8773, 44.7403, 101.0885**, and the grayscale version is **48.4860, 51.0111, 55.5511**.

A 20% lighter version of the original color is **74.8998, 79.1134, 42.3331**, and **29.4648, 24.9109, 6.5041** is the 20% darker color. If you saturate the color by 10%, you get **54.8185, 46.3021, 12.9773**, and if you desaturate by 10%, it is **62.6284, 57.8555, 28.1169**.

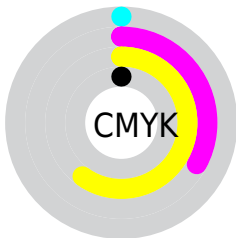
Distribution



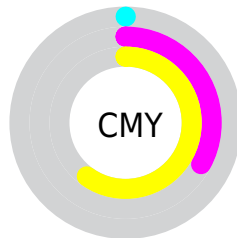
- Red (100%)
- Green (67%)
- Blue (40%)



- Red (100%)
- Yellow (91%)
- Blue (40%)



- Cyan (0%)
- Magenta (33%)
- Yellow (60%)
- Black (0%)





- Cyan (0%)
- Magenta (33%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.3908, 51.7244, 19.4766 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 58.3908, 51.7244, 19.4766 by changing the saturation by 10% instead.


 58.3908, 51.7244,
19.4766

 58.3908, 51.7244,
19.4766


408.5710,
393.3717, 261.5772


 42.3674, 36.7854,
11.8349


 101.6114, 92.7247,
43.3853


 29.5814, 25.0414,
6.5102


 129.5394,
119.5548, 60.4893

 19.6676, 16.1079,
3.0839

 162.1662,
151.1174, 81.5845

 12.2605, 9.6005,
1.1377

 199.8572,
187.7969, 107.0895

 6.9948, 5.1349,
0.0000

242.9779,
229.9776, 137.4226

 3.5052, 2.3266,
0.0000

291.8935,

 1.4262, 0.7878,

278.0441, 173.0026

0.0000

346.9694,
332.3807, 214.2480

■ 0.2748, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.3908, 51.7244,
19.4766

■ 58.3908, 51.7244,
19.4766

■ 54.8185, 46.3021,
12.9773

■ 62.6284, 57.8555,
28.1169

■ 51.8626, 41.5494,
8.4186

■ 67.5680, 64.7164,
39.0681

■ 49.4714, 37.4337,
5.5663

■ 73.2473, 72.3368,
52.4859

■ 47.5636, 33.9076,
4.0380

■ 79.7002, 80.7418,
68.5119

47.5635, 33.9073,
4.0379

86.9579, 89.9554,
87.2764

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.



67.3685, 51.7244, 30.5582



58.3908, 51.7244, 19.4766



47.9187, 51.7244, 16.7935

Triad

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



58.3908, 51.7244, 19.4766



32.0656, 51.7244, 59.9885



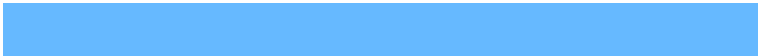
60.8616, 51.7244, 117.2316

Complementary

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



58.3908, 51.7244, 19.4766



40.8773, 44.7403, 101.0885

Split Complementary

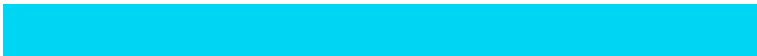
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



50.4276, 51.7244, 133.0731



58.3908, 51.7244, 19.4766



34.5731, 51.7244, 93.5669

Square

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



58.3908, 51.7244, 19.4766



33.5905, 51.7244, 34.8874



40.9616, 51.7244, 123.1864



68.9280, 51.7244, 85.1071

Rectangle

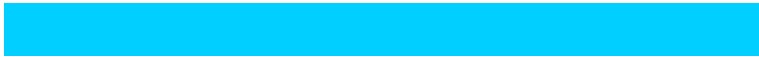
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.3908, 51.7244, 19.4766



41.6995, 51.7244, 18.9366



40.9616, 51.7244, 123.1864



57.4666, 51.7244, 125.0600

Sweetspot

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



58.3920, 51.7270, 19.4776



81.0862, 82.5188, 72.0405



54.8703, 34.3146, 50.2697



16.9264, 17.1112, 14.3282



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.



58.3920, 51.7270, 19.4776



54.1795, 45.2987, 11.9167



77.0059, 88.9547, 25.6822



18.6941, 19.3564, 18.8952



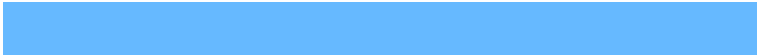
24.9983, 18.0077, 2.1583



2.5417, 1.9687, 0.2460

Inverse Universe

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



40.8773, 44.7403, 101.0885



35.2394, 37.6977, 100.0268



29.0680, 21.1217, 97.1521



17.8194, 19.0105, 22.9802



14.3559, 13.6214, 51.3071



1.5071, 1.5449, 5.0320

Previews

White Background



This preview shows how the XYZ color 58.3908, 51.7244, 19.4766 looks on a white background.

Color Contrast Check

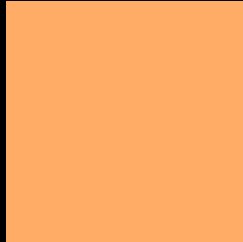
Large Text (above 18pt) WCAG AA × Fail

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 58.3908, 51.7244, 19.4766 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 58.3908, 51.7244, 19.4766

Background



This preview shows how black text looks on a background with the XYZ color 58.3908, 51.7244, 19.4766.



This preview shows how white text looks on a background with the XYZ color 58.3908, 51.7244,

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

58.3908, 51.7244, 19.4766

Protanopia

47.6856, 51.9210, 21.9765

Deuteranopia

52.9599, 51.8684, 19.2769



Tritanopia

62.8120, 51.7068, 48.2648

Trichromacy



Original Color

58.3908, 51.7244, 19.4766

Protanomaly

51.1060, 51.4903, 20.8807

Deuteranomaly

54.8873, 51.6576, 19.3900

Tritanomaly

60.7477, 51.4673, 35.5866

Monochromacy



Original Color

58.3908, 51.7244, 19.4766

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

50.4599, 50.4474, 38.9761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.3908, 51.7244, 19.4766 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, 172, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 172, 102)  
}
```

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, 172, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 172, 102) }
```

Border

The CSS property to change the border of an element to XYZ 58.3908, 51.7244, 19.4766 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, 172, 102) }
```


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

```
.border{ border-color:rgb(255, 172, 102) }
```

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

Here you see how a box with a 4 pixel rgb(255, 172, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 172, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 172, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 172,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 58.3908, 51.7244, 19.4766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 172, 102) }
```

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

```
.background{ background-color: rgb(255,  
172, 102) }
```

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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