

Converting Colors

XYZ(55.1800, 40.1026, 19.5796)

Have a look what the booklet for
XYZ(55.1800, 40.1026, 19.5796)
contains.

XYZ(52.1708, 38.6184, 19.4562)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(52.1708, 38.6184,
19.4562)**

Conversions

Conversions Part 1

Format	Color
Hex	FF836E
RGB	255, 131, 110
RGB Percent	100%, 51%, 43%
CMY	0.0000, 0.4862, 0.5686
CMYK	0.00, 0.49, 0.57, 0.00
HSL	9°, 100%, 72%
HSV	9°, 57%, 100%
XYZ	52.1708, 38.6184, 19.4562
YIQ	165.6820, 80.6450, 19.7570

Conversions

Conversions Part 2

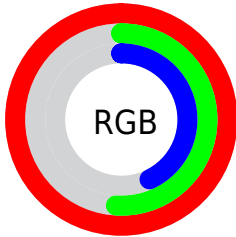
Format	Color
R_{YB}	255, 135, 110
Decimal	16745326
CIE Lab	68.47, 45.27, 33.00
CIE LCh	68, 56.022, 36.084
Yxy	38.6184, 0.4732, 0.3503
Android (android.graphics.Color)	4294935406 (0xFFFF836E)
YUV	165.6820, -27.4512, 78.3319
Hunter-Lab	62.1437, 41.1026, 24.9378

Details

The XYZ color **52.1708, 38.6184, 19.4562** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **53.9012, 69.3766, 105.1575**, and the grayscale version is **36.1941, 38.0791, 41.4681**.

A 20% lighter version of the original color is **65.3205, 58.9864, 42.1252**, and **25.5862, 17.1340, 6.5161** is the 20% darker color. If you saturate the color by 10%, you get **48.3500, 32.8884, 12.2905**, and if you desaturate by 10%, it is **57.0091, 45.7448, 28.9320**.

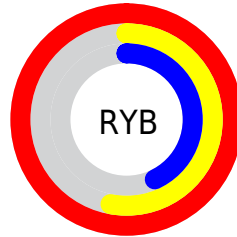
Distribution



Red (100%)

Green (51%)

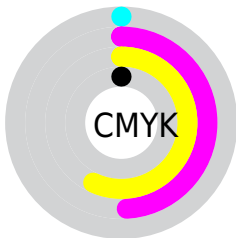
Blue (43%)



Red (100%)

Yellow (53%)

Blue (43%)

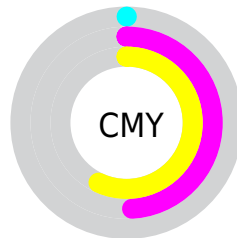


Cyan (0%)

Magenta (49%)

Yellow (57%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.1708, 38.6184, 19.4562 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 52.1708, 38.6184, 19.4562 by changing the saturation by 10% instead.


 52.1708, 38.6184,
19.4562

 52.1708, 38.6184,
19.4562


385.4088,
340.2654, 261.4619

 37.3661, 26.4630,
11.8202


 92.5558, 73.0550,
43.3505


 25.6660, 17.1703,
6.5003


 118.8668, 96.1050,
60.4459

 16.7053, 10.3560,
3.0780


 149.7439,
123.5553, 81.5315

 10.1186, 5.6356,
1.1346

 185.5525,
155.7903, 107.0259

 5.5405, 2.6248,
0.0000

226.6579,
193.1944, 137.3476

 2.6058, 0.9392,
0.0000

273.4255,

 0.9489, 0.0000,

236.1520, 172.9151

0.0000

326.2207,
285.0476, 214.1471

■ 0.0000, 0.0000,
0.0000

■ 52.1708, 38.6184,
19.4562

■ 52.1708, 38.6184,
19.4562

■ 48.3500, 32.8884,
12.2905

■ 57.0091, 45.7448,
28.9320

■ 45.4697, 28.4565,
7.2340

■ 62.9289, 54.3450,
40.8916

■ 43.4458, 25.2214,
4.0543

■ 69.9920, 64.4982,
55.4945

■ 42.1764, 23.0629,
2.4584

■ 78.2548, 76.2758,
72.8862

■ 41.8997, 22.5795,
2.1499

■ 87.7699, 89.7450,
93.2015

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.



56.2616, 38.6184, 37.1130



52.1708, 38.6184, 19.4562



44.0114, 38.6184, 11.4615

Triad

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



52.1708, 38.6184, 19.4562



23.2941, 38.6184, 25.2862



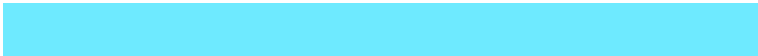
38.5307, 38.6184, 111.1044

Complementary

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



52.1708, 38.6184, 19.4562



53.9012, 69.3766, 105.1575

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.



30.2567, 38.6184, 103.8292



52.1708, 38.6184, 19.4562



22.3046, 38.6184, 47.4041

Square

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



52.1708, 38.6184, 19.4562



27.6040, 38.6184, 13.7622



24.6455, 38.6184, 77.5900



47.6158, 38.6184, 94.7147

Rectangle

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



52.1708, 38.6184, 19.4562



37.8749, 38.6184, 9.8407



24.6455, 38.6184, 77.5900



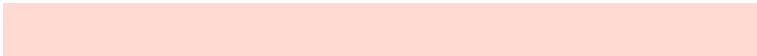
35.5607, 38.6184, 111.4105

Sweetspot

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



52.1717, 38.6204, 19.4569



78.1329, 76.1025, 72.6273



61.9078, 38.4488, 83.2615



16.3479, 15.7550, 14.7498



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.



52.1717, 38.6204, 19.4569



47.9765, 32.3205, 11.6129



65.1358, 64.5487, 23.7783



18.2217, 18.4115, 18.7377



21.9571, 11.9255, 1.1446



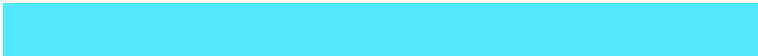
2.1984, 1.2821, 0.1316

Inverse Universe

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



53.9012, 69.3766, 105.1575



49.7580, 65.5220, 104.6322



37.6074, 36.7888, 99.7262



18.3174, 20.0064, 23.1461



22.6252, 30.1600, 54.0636



2.2615, 3.0538, 5.2835

Previews

White Background



This preview shows how the XYZ color 52.1708, 38.6184, 19.4562 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 52.1708, 38.6184, 19.4562 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 52.1708, 38.6184, 19.4562

Background



This preview shows how black text looks on a background with the XYZ color 52.1708, 38.6184, 19.4562.



This preview shows how white text looks on a background with the XYZ color 52.1708, 38.6184,

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

52.1708, 38.6184, 19.4562

Protanopia

36.1108, 38.7018, 24.9690

Deuteranopia

39.4777, 38.7181, 18.7572



Tritanopia

53.4745, 38.5045, 28.2806

Trichromacy



Original Color

52.1708, 38.6184, 19.4562

Protanomaly

40.6779, 37.7327, 22.9085

Deuteranomaly

43.2201, 37.9286, 18.9529

Tritanomaly

52.9210, 38.4928, 24.7193

Monochromacy



Original Color

52.1708, 38.6184, 19.4562

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

39.8682, 36.8636, 32.2082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1708, 38.6184, 19.4562 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, 131, 110)` looks like.

```
.text, #text, p{  
    color:rgb(255, 131, 110)  
}
```

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, 131, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 131, 110) }
```

Border

The CSS property to change the border of an element to XYZ 52.1708, 38.6184, 19.4562 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, 131, 110) }
```


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

```
.border{ border-color:rgb(255, 131, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 131, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 131, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 131, 110);  
box-shadow:4px 4px 4px 4px rgb(255, 131,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1708, 38.6184, 19.4562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 131, 110) }
```

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

```
.background{ background-color: rgb(255,  
131, 110) }
```

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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