

Converting Colors

XYZ(50.0989, 37.9720, 17.3787)

Have a look what the booklet for
XYZ(50.0989, 37.9720, 17.3787)
contains.

XYZ(50.2101, 38.0584, 17.2700)	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(50.2101, 38.0584,
17.2700)**

Conversions

Conversions Part 1

Format	Color
Hex	FA8566
RGB	250, 133, 102
RGB Percent	98%, 52%, 40%
CMY	0.0196, 0.4784, 0.6000
CMYK	0.00, 0.47, 0.59, 0.02
HSL	13°, 94%, 69%
HSV	13°, 59%, 98%
XYZ	50.2101, 38.0584, 17.2700
YIQ	164.4490, 79.6830, 15.1630

Conversions

Conversions Part 2

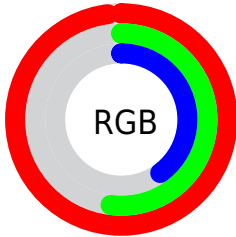
Format	Color
R _Y B	250, 141, 102
Decimal	16418150
CIE Lab	68.06, 41.85, 36.68
CIE LCh	68, 55.645, 41.231
Yxy	38.0584, 0.4758, 0.3606
Android (android.graphics.Color)	4294608230 (0xFFFA8566)
YUV	164.4490, -30.7874, 75.0282
Hunter-Lab	61.6915, 37.3193, 26.5863

Details

The XYZ color **50.2101, 38.0584, 17.2700** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **48.0644, 60.3861, 99.5643**, and the grayscale version is **35.6175, 37.4723, 40.8074**.

A 20% lighter version of the original color is **65.0560, 59.5595, 38.6392**, and **24.5945, 16.9700, 5.4693** is the 20% darker color. If you saturate the color by 10%, you get **46.6962, 32.7248, 10.8768**, and if you desaturate by 10%, it is **54.6086, 44.5635, 25.8025**.

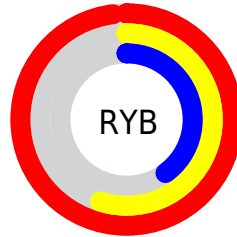
Distribution



Red (98%)

Green (52%)

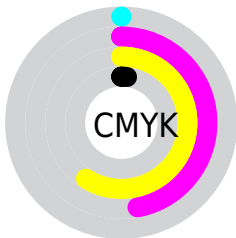
Blue (40%)



Red (98%)

Yellow (55%)

Blue (40%)

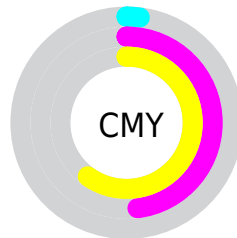


Cyan (0%)

Magenta (47%)

Yellow (59%)

Black (2%)



Cyan (2%)


Magenta (48%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2101, 38.0584, 17.2700 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 50.2101, 38.0584, 17.2700 by changing the saturation by 10% instead.


 50.2101, 38.0584,
17.2700


 50.2101, 38.0584,
17.2700


377.9254,
337.8704, 248.8199

 35.7988, 26.0280,
10.2632


 89.6761, 72.1976,
39.5864


 24.4483, 16.8446,
5.4659


 115.4615, 95.0753,
55.7331

 15.7930, 10.1238,
2.4597


 145.7690,
122.3375, 75.7635

 9.4677, 5.4811,
0.8187

 180.9639,
154.3686, 100.0961

 5.1070, 2.5322,
0.0000

221.4117,
191.5531, 129.1495

 2.3456, 0.8927,
0.0000

267.4776,

 0.8178, 0.0000,

234.2753, 163.3423

0.0000

319.5271,
282.9196, 203.0929

■ 0.0000, 0.0000,
0.0000

■ 50.2101, 38.0584,
17.2700

■ 50.2101, 38.0584,
17.2700

■ 46.6962, 32.7248,
10.8768

■ 54.6086, 44.5635,
25.8025

■ 44.0008, 28.4856,
6.4282

■ 59.9457, 52.2990,
36.6415

■ 42.0521, 25.2634,
3.6969

■ 66.2744, 61.3270,
49.9398

■ 40.7523, 22.9627,
2.3418

■ 73.6426, 71.7036,
65.8365

■ 40.6689, 22.8136,
2.2600

■ 82.0951, 83.4814,
84.4603

91.6740, 96.7104,
105.9314

93.2341, 99.0638,
108.8150

Harmonies

Analogous

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



55.1057, 38.0584, 32.8209



50.2101, 38.0584, 17.2700



41.8049, 38.0584, 10.6852

Triad

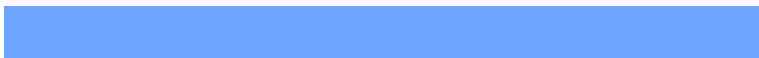
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



50.2101, 38.0584, 17.2700



22.5772, 38.0584, 27.9012



39.5173, 38.0584, 108.0963

Complementary

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



50.2101, 38.0584, 17.2700



48.0644, 60.3861, 99.5643

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.



31.0718, 38.0584, 105.0480



50.2101, 38.0584, 17.2700



22.1656, 38.0584, 51.4476

Square

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



50.2101, 38.0584, 17.2700



26.2634, 38.0584, 14.9109



25.0317, 38.0584, 81.5289



48.3069, 38.0584, 88.6957

Rectangle

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



50.2101, 38.0584, 17.2700



35.8165, 38.0584, 9.6938



25.0317, 38.0584, 81.5289



36.5326, 38.0584, 109.8165

Sweetspot

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



50.2110, 38.0604, 17.2707



78.0186, 76.3836, 71.0180



57.1468, 35.0153, 71.7346



16.1857, 15.6298, 14.0813



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.



50.2110, 38.0604, 17.2707



48.2554, 33.3159, 10.3570



63.7975, 65.2334, 21.7995



17.5392, 17.8143, 17.9765



21.6551, 12.2668, 1.2264



2.0785, 1.2818, 0.1379

Inverse Universe

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



48.0644, 60.3861, 99.5643



45.7008, 58.3350, 103.4588



33.0756, 30.4084, 94.5680



17.4390, 18.9549, 22.1248



19.9265, 25.2086, 51.7891



1.9202, 2.4840, 4.8214

Previews

White Background



This preview shows how the XYZ color 50.2101, 38.0584, 17.2700 looks on a white background.

Color Contrast Check

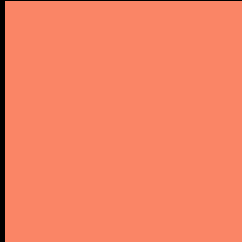
Large Text (above 18pt) WCAG AA × Fail

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 50.2101, 38.0584, 17.2700 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 50.2101, 38.0584, 17.2700

Background



This preview shows how black text looks on a background with the XYZ color 50.2101, 38.0584, 17.2700.



This preview shows how white text looks on a background with the XYZ color 50.2101, 38.0584,

17.2700.

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

50.2101, 38.0584, 17.2700

Protanopia

35.5531, 38.2135, 21.7218

Deuteranopia

38.9129, 38.2159, 16.6347



Tritanopia

52.3794, 37.9399, 28.2294

Trichromacy



Original Color

50.2101, 38.0584, 17.2700

Protanomaly

39.5469, 37.2161, 19.8509

Deuteranomaly

42.3719, 37.7736, 16.8622

Tritanomaly

51.4044, 37.9297, 23.6806

Monochromacy



Original Color

50.2101, 38.0584, 17.2700

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

38.7046, 36.3077, 30.1674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2101, 38.0584, 17.2700 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(250, 133, 102)` looks like.

```
.text, #text, p{  
    color:rgb(250, 133, 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(250, 133, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 133, 102) }
```

Border

The CSS property to change the border of an element to XYZ 50.2101, 38.0584, 17.2700 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(250, 133, 102) }
```


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

```
.border{ border-color:rgb(250, 133, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 133, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 133, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 133, 102);  
box-shadow:4px 4px 4px 4px rgb(250, 133,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2101, 38.0584, 17.2700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 133, 102) }
```

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

```
.background{ background-color: rgb(250,  
133, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor