

Converting Colors

XYZ(48.7560, 38.8802, 17.4042)

Have a look what the booklet for
XYZ(48.7560, 38.8802, 17.4042)
contains.

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Color

**XYZ(48.7385, 38.7702,
17.4850)**

Conversions

Conversions Part 1

Format	Color
Hex	F38C66
RGB	243, 140, 102
RGB Percent	95%, 55%, 40%
CMY	0.0471, 0.4510, 0.6000
CMYK	0.00, 0.42, 0.58, 0.05
HSL	16°, 85%, 68%
HSV	16°, 58%, 95%
XYZ	48.7385, 38.7702, 17.4850
YIQ	166.4650, 73.5860, 10.0180

Conversions

Conversions Part 2

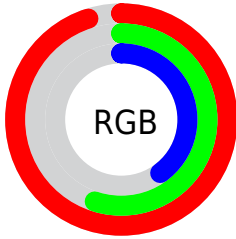
Format	Color
R_{YB}	243, 154, 102
Decimal	15961190
CIE _{Lab}	68.58, 35.62, 37.13
CIE _{LCh}	69, 51.447, 46.190
Yxy	38.7702, 0.4642, 0.3693
Android (android.graphics.Color)	4294151270 (0xFFFF38C66)
YUV	166.4650, -31.7812, 67.1212
Hunter-Lab	62.2657, 30.7559, 26.9366

Details

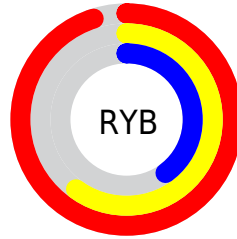
The XYZ color **48.7385, 38.7702, 17.4850** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **43.4870, 52.9555, 92.7229**, and the grayscale version is **36.5960, 38.5018, 41.9285**.

A 20% lighter version of the original color is **66.5878, 62.6233, 39.1498**, and **23.4470, 17.1909, 5.5724** is the 20% darker color. If you saturate the color by 10%, you get **45.3176, 33.5827, 11.2454**, and if you desaturate by 10%, it is **52.9328, 44.9397, 25.7252**.

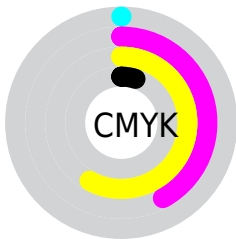
Distribution



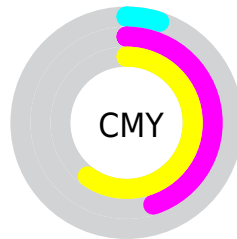
- Red (95%)
- Green (55%)
- Blue (40%)



- Red (95%)
- Yellow (60%)
- Blue (40%)



- Cyan (0%)
- Magenta (42%)
- Yellow (58%)
- Black (5%)




- Cyan (5%)
- Magenta (45%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7385, 38.7702, 17.4850 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 48.7385, 38.7702, 17.4850 by changing the saturation by 10% instead.


 48.7385, 38.7702,
17.4850


 48.7385, 38.7702,
17.4850


372.2460,
340.9125, 250.0899


 34.6258, 26.5810,
10.4153


 87.5060, 73.2871,
39.9598


 23.5399, 17.2588,
5.5660


 112.8915, 96.3837,
56.2020

 15.1156, 10.4192,
2.5185


 142.7653,
123.8847, 76.3387

 8.9874, 5.6778,
0.8499

 177.4927,
156.1748, 100.7886

 4.7900, 2.6501,
0.0000

217.4391,
193.6382, 129.9701

 2.1581, 0.9519,
0.0000

262.9699,

 0.7205, 0.0000,

236.6594, 164.3018

0.0000

314.4504,
285.6227, 204.2022

■ 0.0000, 0.0000,
0.0000

■ 48.7385, 38.7702,
17.4850

■ 48.7385, 38.7702,
17.4850

■ 45.3176, 33.5827,
11.2454

■ 52.9328, 44.9397,
25.7252

■ 42.6154, 29.3184,
6.8298

■ 57.9444, 52.1337,
36.1175

■ 40.5736, 25.9210,
4.0338

■ 63.8170, 60.3995,
48.8014

■ 39.1168, 23.3223,
2.5779

■ 70.5901, 69.7795,
63.9037

■ 38.8811, 22.8928,
2.3695

■ 78.3010, 80.3136,
81.5420

86.9845, 92.0399,
101.8262

90.7719, 97.7946,
108.6998

Harmonies

Analogous

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



53.9529, 38.7702, 30.9425



48.7385, 38.7702, 17.4850



40.7005, 38.7702, 11.9947

Triad

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



48.7385, 38.7702, 17.4850



23.6821, 38.7702, 32.4224



41.3728, 38.7702, 101.2962

Complementary

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



48.7385, 38.7702, 17.4850



43.4870, 52.9555, 92.7229

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.



33.2502, 38.7702, 102.1594



48.7385, 38.7702, 17.4850



23.8072, 38.7702, 55.9364

Square

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



48.7385, 38.7702, 17.4850



26.7000, 38.7702, 18.2242



27.0712, 38.7702, 83.3586



49.2926, 38.7702, 81.3106

Rectangle

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



48.7385, 38.7702, 17.4850



35.1934, 38.7702, 11.5545



27.0712, 38.7702, 83.3586



38.5576, 38.7702, 104.0291

Sweetspot

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



48.7394, 38.7722, 17.4857



79.5568, 78.9503, 73.1020



52.7813, 32.9847, 61.5959



16.6805, 16.4201, 14.8606



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.



48.7394, 38.7722, 17.4857



49.8469, 36.3586, 11.3197



62.4315, 66.1564, 22.0497



16.8625, 17.2091, 17.2305



21.4343, 12.7542, 1.3321



1.9654, 1.2841, 0.1443

Inverse Universe

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



43.4870, 52.9555, 92.7229



43.3555, 53.3473, 102.6197



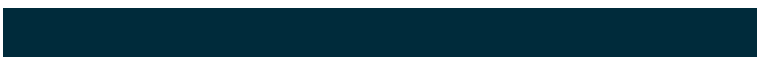
30.3074, 26.5962, 88.3297



16.5969, 17.9580, 21.1341



17.6793, 21.1524, 49.6891



1.6385, 2.0284, 4.3954

Previews

White Background



This preview shows how the XYZ color 48.7385, 38.7702, 17.4850 looks on a white background.

Color Contrast Check

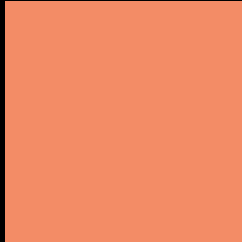
Large Text (above 18pt) WCAG AA × Fail

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 48.7385, 38.7702, 17.4850 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 48.7385, 38.7702, 17.4850

Background



This preview shows how black text looks on a background with the XYZ color 48.7385, 38.7702, 17.4850.



This preview shows how white text looks on a background with the XYZ color 48.7385, 38.7702,

17.4850.

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

48.7385, 38.7702, 17.4850

Protanopia

36.2747, 39.1426, 21.2662

Deuteranopia

39.6773, 38.8608, 16.9649



Tritanopia

51.5652, 38.6566, 31.1293

Trichromacy



Original Color

48.7385, 38.7702, 17.4850

Protanomaly

39.8890, 38.3952, 19.7766

Deuteranomaly

42.5568, 38.5887, 17.0098

Tritanomaly

50.4228, 38.6058, 25.5630

Monochromacy



Original Color

48.7385, 38.7702, 17.4850

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

39.2630, 37.5664, 31.1683

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7385, 38.7702, 17.4850 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(243, 140, 102)` looks like.

```
.text, #text, p{  
    color:rgb(243, 140, 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(243, 140, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 140, 102) }
```

Border

The CSS property to change the border of an element to XYZ 48.7385, 38.7702, 17.4850 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(243, 140, 102) }
```


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

```
.border{ border-color:rgb(243, 140, 102) }
```

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

Here you see how a box with a 4 pixel rgb(243, 140, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 140, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 140, 102);  
box-shadow:4px 4px 4px 4px rgb(243, 140,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7385, 38.7702, 17.4850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 140, 102) }
```

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

```
.background{ background-color: rgb(243,  
140, 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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