

Converting Colors

XYZ(48.6378, 37.5017, 19.9815)

Have a look what the booklet for
XYZ(48.6378, 37.5017, 19.9815)
contains.

XYZ(48.5508, 37.5525, 20.0187)	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(48.5508, 37.5525,
20.0187)**

Conversions

Conversions Part 1

Format	Color
Hex	F38770
RGB	243, 135, 112
RGB Percent	95%, 53%, 44%
CMY	0.0471, 0.4706, 0.5608
CMYK	0.00, 0.44, 0.54, 0.05
HSL	11°, 85%, 70%
HSV	11°, 54%, 95%
XYZ	48.5508, 37.5525, 20.0187
YIQ	164.6700, 71.7510, 15.7430

Conversions

Conversions Part 2

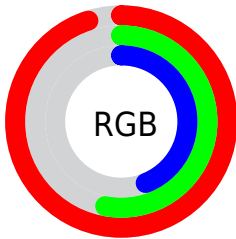
Format	Color
R_{YB}	243, 140, 112
Decimal	15959920
CIE _{Lab}	67.69, 38.96, 30.57
CIE _{LCh}	68, 49.519, 38.118
Yxy	37.5525, 0.4575, 0.3539
Android (android.graphics.Color)	4294150000 (0xFFFF38770)
YUV	164.6700, -25.9663, 68.6954
Hunter-Lab	61.2801, 34.1813, 23.5275

Details

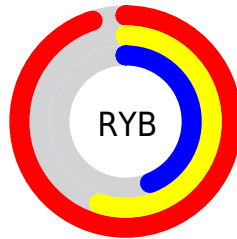
The XYZ color **48.5508, 37.5525, 20.0187** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **48.4515, 61.0991, 94.0334**, and the grayscale version is **35.7035, 37.5628, 40.9059**.

A 20% lighter version of the original color is **66.3543, 60.7672, 43.3540**, and **23.5471, 16.6240, 6.8182** is the 20% darker color. If you saturate the color by 10%, you get **44.8390, 32.0100, 12.9830**, and if you desaturate by 10%, it is **53.1554, 44.2966, 29.1535**.

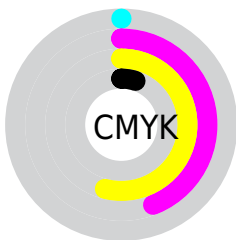
Distribution



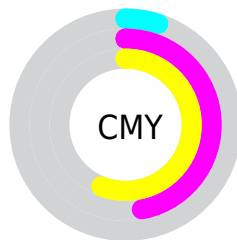
- Red (95%)
- Green (53%)
- Blue (44%)



- Red (95%)
- Yellow (55%)
- Blue (44%)



- Cyan (0%)
- Magenta (44%)
- Yellow (54%)
- Black (5%)




- Cyan (5%)
- Magenta (47%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5508, 37.5525, 20.0187 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 48.5508, 37.5525, 20.0187 by changing the saturation by 10% instead.


 48.5508, 37.5525,
20.0187


 48.5508, 37.5525,
20.0187


371.5176,
335.6964, 264.6239

 34.4763, 25.6356,
12.2244


 87.2287, 71.4217,
44.3079


 23.4244, 16.5512,
6.7723


 112.5628, 94.1428,
61.6399

 15.0296, 9.9150,
3.2438


 142.3809,
121.2340, 82.9883

 8.9266, 5.3427,
1.2205

 177.0482,
153.0798, 108.7715

 4.7501, 2.4497,
0.0000

216.9302,
190.0645, 139.4081

 2.1346, 0.8513,
0.0000

262.3922,

 0.7079, 0.0000,

232.5726, 175.3167

0.0000

313.7995,
280.9884, 216.9158

■ 0.0000, 0.0000,
0.0000

■ 48.5508, 37.5525,
20.0187

■ 48.5508, 37.5525,
20.0187

■ 44.8390, 32.0100,
12.9830

■ 53.1554, 44.2966,
29.1535

■ 41.9575, 27.5920,
7.8760

■ 58.7039, 52.3018,
40.5354

■ 39.8399, 24.2217,
4.5037

■ 65.2471, 61.6303,
54.3012

■ 38.4072, 21.8093,
2.6299

■ 72.8309, 72.3387,
70.5764

■ 37.8142, 20.7589,
2.0138

■ 81.4986, 84.4802,
89.4775

90.7720, 97.7946,
108.6998

Harmonies

Analogous

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



52.3115, 37.5525, 35.2271



48.5508, 37.5525, 20.0187



41.4559, 37.5525, 12.9440

Triad

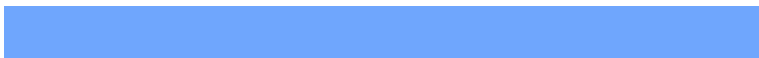
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



48.5508, 37.5525, 20.0187



23.7162, 37.5525, 27.1201



37.8087, 37.5525, 98.3261

Complementary

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



48.5508, 37.5525, 20.0187



48.4515, 61.0991, 94.0334

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.



30.4897, 37.5525, 93.7134



48.5508, 37.5525, 20.0187



23.0287, 37.5525, 47.1256

Square

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



48.5508, 37.5525, 20.0187



27.3662, 37.5525, 15.9063



25.3321, 37.5525, 72.7677



45.5566, 37.5525, 83.7548

Rectangle

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



48.5508, 37.5525, 20.0187



36.1774, 37.5525, 11.5955



25.3321, 37.5525, 72.7677



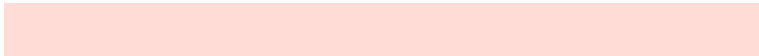
35.2120, 37.5525, 99.0442

Sweetspot

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



48.5517, 37.5544, 20.0194



79.3562, 78.0313, 74.6313



55.8297, 35.8726, 72.5046



16.6021, 16.1614, 15.1489



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.



48.5517, 37.5544, 20.0194



49.5745, 35.0270, 13.6544



60.3870, 61.2250, 23.9645



16.7344, 16.9529, 17.1878



20.8215, 11.5286, 1.1278



1.8948, 1.1427, 0.1207

Inverse Universe

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



48.4515, 61.0991, 94.0334



49.3606, 63.6898, 104.2995



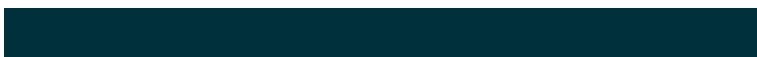
34.6926, 33.5813, 89.4471



16.7347, 18.2336, 21.1800



20.3453, 26.4844, 50.5777



1.8517, 2.4548, 4.4665

Previews

White Background



This preview shows how the XYZ color 48.5508, 37.5525, 20.0187 looks on a white background.

Color Contrast Check

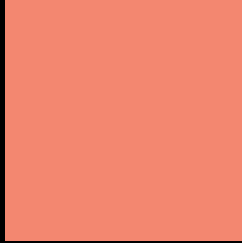
Large Text (above 18pt) WCAG AA × Fail

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 48.5508, 37.5525, 20.0187 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 48.5508, 37.5525, 20.0187

Background



This preview shows how black text looks on a background with the XYZ color 48.5508, 37.5525, 20.0187.



This preview shows how white text looks on a background with the XYZ color 48.5508, 37.5525,

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

48.5508, 37.5525, 20.0187

Protanopia

35.2883, 37.7380, 24.8263

Deuteranopia

38.4868, 37.6785, 19.4316



Tritanopia

50.5061, 37.5385, 29.3946

Trichromacy



Original Color

48.5508, 37.5525, 20.0187

Protanomaly

39.0332, 36.8848, 22.8315

Deuteranomaly

41.6910, 37.3639, 19.4826

Tritanomaly

49.5888, 37.3473, 25.7142

Monochromacy



Original Color

48.5508, 37.5525, 20.0187

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

38.7362, 36.5240, 32.2023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5508, 37.5525, 20.0187 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, 135, 112)` looks like.

```
.text, #text, p{  
    color:rgb(243, 135, 112)  
}
```

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, 135, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 135, 112) }
```

Border

The CSS property to change the border of an element to XYZ 48.5508, 37.5525, 20.0187 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, 135, 112) }
```


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

```
.border{ border-color:rgb(243, 135, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 135, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 135, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 135, 112);  
box-shadow:4px 4px 4px 4px rgb(243, 135,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5508, 37.5525, 20.0187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 135, 112) }
```

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

```
.background{ background-color: rgb(243,  
135, 112) }
```

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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