

Converting Colors

XYZ(50.4405, 38.0638, 16.2337)

Have a look what the booklet for
XYZ(50.4405, 38.0638, 16.2337)
contains.

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Color

**XYZ(50.2395, 37.8936,
16.2216)**

Conversions

Conversions Part 1

Format	Color
Hex	FB8462
RGB	251, 132, 98
RGB Percent	98%, 52%, 38%
CMY	0.0157, 0.4823, 0.6157
CMYK	0.00, 0.47, 0.61, 0.02
HSL	13°, 95%, 68%
HSV	13°, 61%, 98%
XYZ	50.2395, 37.8936, 16.2216
YIQ	163.7050, 81.8380, 14.6540

Conversions

Conversions Part 2

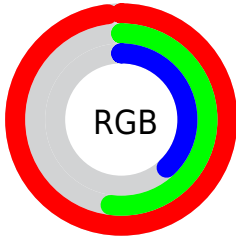
Format	Color
R _Y B	251, 142, 98
Decimal	16483426
CIE Lab	67.94, 42.45, 38.70
CIE LCh	68, 57.446, 42.356
Yxy	37.8936, 0.4814, 0.3631
Android (android.graphics.Color)	4294673506 (0xFFFB8462)
YUV	163.7050, -32.3926, 76.5577
Hunter-Lab	61.5578, 37.9541, 27.4664

Details

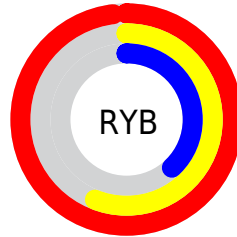
The XYZ color **50.2395, 37.8936, 16.2216** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **47.2607, 59.1839, 100.1989**, and the grayscale version is **35.2693, 37.1060, 40.4085**.

A 20% lighter version of the original color is **64.4351, 58.9706, 36.4201**, and **24.3580, 16.6411, 4.9459** is the 20% darker color. If you saturate the color by 10%, you get **46.8308, 32.6849, 10.1268**, and if you desaturate by 10%, it is **54.5168, 44.2455, 24.4391**.

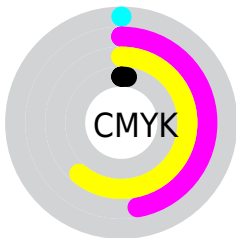
Distribution



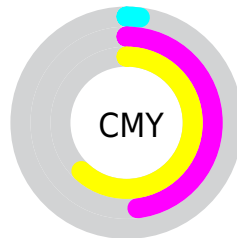
- Red (98%)
- Green (52%)
- Blue (38%)



- Red (98%)
- Yellow (56%)
- Blue (38%)



- Cyan (0%)
- Magenta (47%)
- Yellow (61%)
- Black (2%)




- Cyan (2%)
- Magenta (48%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2395, 37.8936, 16.2216 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 50.2395, 37.8936, 16.2216 by changing the saturation by 10% instead.


 50.2395, 37.8936,
16.2216


 50.2395, 37.8936,
16.2216


378.0383,
337.1633, 242.5360

 35.8223, 25.9001,
9.5250

 89.7193, 71.9450,
37.7546


 24.4665, 16.7489,
4.9837


 115.5127, 94.7718,
53.4282

 15.8066, 10.0556,
2.1792


 145.8288,
121.9784, 72.9311

 9.4774, 5.4359,
0.6623

 181.0330,
153.9492, 96.6820

 5.1134, 2.5052,
0.0000

221.4908,
191.0688, 125.0994

 2.3494, 0.8792,
0.0000

267.5673,

 0.8198, 0.0000,

233.7214, 158.6019

0.0000

319.6280,
282.2914, 197.6079

■ 0.0000, 0.0000,
0.0000

■ 50.2395, 37.8936,
16.2216

■ 50.2395, 37.8936,
16.2216

■ 46.8308, 32.6849,
10.1268

■ 54.5168, 44.2455,
24.4391

■ 44.2242, 28.5435,
5.9535

■ 59.7170, 51.7983,
34.9513

■ 42.3469, 25.3935,
3.4645

■ 65.8928, 60.6126,
47.9147

■ 41.1874, 23.3170,
2.3298

■ 73.0921, 70.7435,
63.4715

■ 81.3596, 82.2424,
81.7531

90.7373, 95.1581,
102.8816

93.5934, 99.2491,
108.8318

Harmonies

Analogous

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



55.5078, 37.8936, 31.6144



50.2395, 37.8936, 16.2216



41.4709, 37.8936, 9.9168

Triad

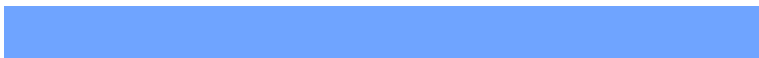
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



50.2395, 37.8936, 16.2216



22.0174, 37.8936, 28.0875



39.8136, 37.8936, 110.2658

Complementary

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



50.2395, 37.8936, 16.2216



47.2607, 59.1839, 100.1989

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.



31.0631, 37.8936, 108.0215



50.2395, 37.8936, 16.2216



21.7236, 37.8936, 52.6907

Square

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



50.2395, 37.8936, 16.2216



25.6511, 37.8936, 14.5612



24.7687, 37.8936, 84.0013



48.8550, 37.8936, 89.2569

Rectangle

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



50.2395, 37.8936, 16.2216



35.3163, 37.8936, 9.0650



24.7687, 37.8936, 84.0013



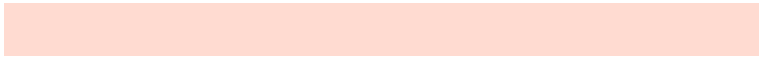
36.7264, 37.8936, 112.3908

Sweetspot

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



50.2404, 37.8956, 16.2223



78.1714, 76.6892, 71.0689



56.7865, 34.2988, 69.8540



16.2224, 15.7032, 14.0935



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.



50.2404, 37.8956, 16.2223



47.9098, 32.8883, 9.4288



64.4587, 66.3322, 20.9617



17.5574, 17.8507, 17.9826



21.7378, 12.4323, 1.2540



2.0886, 1.3020, 0.1412

Inverse Universe

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



47.2607, 59.1839, 100.1989



44.4454, 56.3833, 103.1483



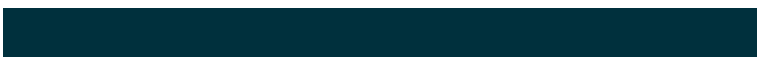
32.0263, 28.7151, 95.1208



17.4194, 18.9156, 22.1183



19.5489, 24.4535, 51.6632



1.8883, 2.4202, 4.8108

Previews

White Background



This preview shows how the XYZ color 50.2395, 37.8936, 16.2216 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 50.2395, 37.8936, 16.2216 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 50.2395, 37.8936, 16.2216

Background



This preview shows how black text looks on a background with the XYZ color 50.2395, 37.8936, 16.2216.



This preview shows how white text looks on a background with the XYZ color 50.2395, 37.8936,

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

50.2395, 37.8936, 16.2216

Protanopia

35.3279, 38.1234, 20.5355

Deuteranopia

38.8312, 37.9405, 15.6326



Tritanopia

52.5413, 37.8390, 27.8270

Trichromacy



Original Color

50.2395, 37.8936, 16.2216

Protanomaly

39.6107, 37.2736, 18.7425

Deuteranomaly

42.3282, 37.5368, 15.8409

Tritanomaly

51.5080, 37.8011, 22.9939

Monochromacy



Original Color

50.2395, 37.8936, 16.2216

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

38.7268, 36.0857, 29.7351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2395, 37.8936, 16.2216 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(251, 132, 98)` looks like.

```
.text, #text, p{  
    color:rgb(251, 132, 98)  
}
```

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(251, 132, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 132, 98) }
```

Border

The CSS property to change the border of an element to XYZ 50.2395, 37.8936, 16.2216 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(251, 132, 98) }
```


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

```
.border{ border-color:rgb(251, 132, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 132, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 132, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 132, 98);  
box-shadow:4px 4px 4px 4px rgb(251, 132,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2395, 37.8936, 16.2216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 132, 98) }
```

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

```
.background{ background-color: rgb(251,  
132, 98) }
```

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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