

Converting Colors

XYZ(50.3128, 38.9512, 16.9231)

Have a look what the booklet for
XYZ(50.3128, 38.9512, 16.9231)
contains.

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Color

**XYZ(50.3128, 38.9512,
16.9231)**

Conversions

Conversions Part 1

Format	Color
Hex	F98964
RGB	249, 137, 100
RGB Percent	98%, 54%, 39%
CMY	0.0235, 0.4627, 0.6078
CMYK	0.00, 0.45, 0.60, 0.02
HSL	15°, 93%, 68%
HSV	15°, 60%, 98%
XYZ	50.3128, 38.9512, 16.9231
YIQ	166.2700, 78.6290, 12.2370

Conversions

Conversions Part 2

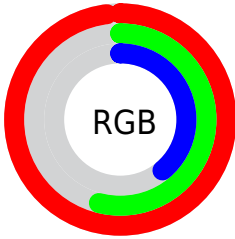
Format	Color
R _Y B	249, 149, 100
Decimal	16353636
CIE Lab	68.72, 39.31, 38.53
CIE LCh	69, 55.046, 44.424
Yxy	38.9512, 0.4738, 0.3668
Android (android.graphics.Color)	4294543716 (0xFFFF98964)
YUV	166.2700, -32.6711, 72.5542
Hunter-Lab	62.4109, 34.6794, 27.6108

Details

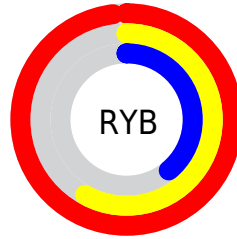
The XYZ color **50.3128, 38.9512, 16.9231** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **45.8961, 56.6322, 98.1341**, and the grayscale version is **36.5038, 38.4049, 41.8229**.

A 20% lighter version of the original color is **65.7571, 61.2263, 38.0578**, and **24.6074, 17.4363, 5.3174** is the 20% darker color. If you saturate the color by 10%, you get **46.8530, 33.6748, 10.7053**, and if you desaturate by 10%, it is **54.6041, 45.3019, 25.2351**.

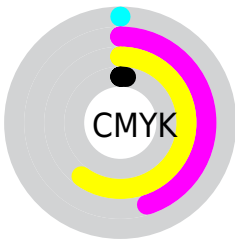
Distribution



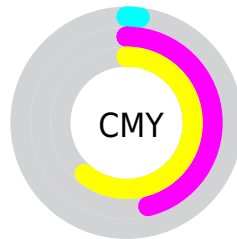
- Red (98%)
- Green (54%)
- Blue (39%)



- Red (98%)
- Yellow (58%)
- Blue (39%)



- Cyan (0%)
- Magenta (45%)
- Yellow (60%)
- Black (2%)





- Cyan (2%)
- Magenta (46%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.3128, 38.9512, 16.9231 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 50.3128, 38.9512, 16.9231 by changing the saturation by 10% instead.


 50.3128, 38.9512,
16.9231

 50.3128, 38.9512,
16.9231


378.3197,
341.6830, 246.7578

 35.8808, 26.7218,
10.0183


 89.8272, 73.5638,
38.9823


 24.5118, 17.3644,
5.3053


 115.6404, 96.7157,
54.9739

 15.8405, 10.4946,
2.3656


 145.9779,
124.2772, 74.8314

 9.5015, 5.7281,
0.7676

 181.2053,
156.6328, 98.9734

 5.1294, 2.6805,
0.0000

221.6878,
194.1667, 127.8186

 2.3589, 0.9673,
0.0000

267.7908,

 0.8246, 0.0000,

237.2635, 161.7853

0.0000

319.8797,
286.3074, 201.2922

■ 0.0000, 0.0000,
0.0000

■ 50.3128, 38.9512,
16.9231

■ 50.3128, 38.9512,
16.9231

■ 46.8530, 33.6748,
10.7053

■ 54.6041, 45.3019,
25.2351

■ 44.1634, 29.4050,
6.3885

■ 59.7766, 52.7772,
35.8067

■ 42.1775, 26.0753,
3.7469

■ 65.8793, 61.4312,
48.7888

■ 40.7994, 23.6016,
2.4167

■ 72.9564, 71.3131,
64.3189

■ 40.7808, 23.5679,
2.3997

■ 81.0493, 82.4687,
82.5240

90.1970, 94.9418,
103.5223

92.8767, 98.8796,
108.7983

Harmonies

Analogous

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



55.7195, 38.9512, 31.5531



50.3128, 38.9512, 16.9231



41.7020, 38.9512, 10.9609

Triad

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



50.3128, 38.9512, 16.9231



23.1226, 38.9512, 30.7949



41.3511, 38.9512, 107.8615

Complementary

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



50.3128, 38.9512, 16.9231



45.8961, 56.6322, 98.1341

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.



32.7058, 38.9512, 107.3974



50.3128, 38.9512, 16.9231



23.0590, 38.9512, 55.5119

Square

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



50.3128, 38.9512, 16.9231



26.4957, 38.9512, 16.5564



26.3057, 38.9512, 85.6070



50.0214, 38.9512, 86.7001

Rectangle

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



50.3128, 38.9512, 16.9231



35.7454, 38.9512, 10.3174



26.3057, 38.9512, 85.6070



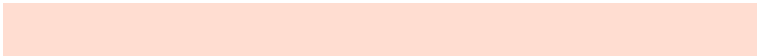
38.3286, 38.9512, 110.4316

Sweetspot

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



50.3137, 38.9532, 16.9238



78.4857, 77.3177, 71.1737



55.7913, 34.1211, 67.4200



16.2979, 15.8542, 14.1187



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.



50.3137, 38.9532, 16.9238



48.7516, 34.4428, 10.1074



64.2329, 66.7915, 21.5635



17.5948, 17.9254, 17.9950



21.9231, 12.8029, 1.3157



2.1105, 1.3458, 0.1485

Inverse Universe

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



45.8961, 56.6322, 98.1341



43.5766, 54.3720, 102.8059



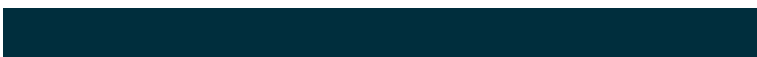
31.6937, 28.2274, 93.3999



17.3793, 18.8355, 22.1049



18.8009, 22.9574, 51.4139



1.8247, 2.2931, 4.7896

Previews

White Background



This preview shows how the XYZ color 50.3128, 38.9512, 16.9231 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 50.3128, 38.9512, 16.9231 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 50.3128, 38.9512, 16.9231

Background



This preview shows how black text looks on a background with the XYZ color 50.3128, 38.9512, 16.9231.



This preview shows how white text looks on a background with the XYZ color 50.3128, 38.9512,

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

50.3128, 38.9512, 16.9231

Protanopia

36.2187, 39.1202, 20.9713

Deuteranopia

39.8132, 38.9470, 16.2456



Tritanopia

53.2039, 39.1211, 29.9463

Trichromacy



Original Color

50.3128, 38.9512, 16.9231

Protanomaly

40.2173, 38.3185, 19.4639

Deuteranomaly

43.2047, 38.6917, 16.5004

Tritanomaly

52.0747, 39.0658, 24.5345

Monochromacy



Original Color

50.3128, 38.9512, 16.9231

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

39.3688, 37.1314, 30.6833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3128, 38.9512, 16.9231 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(249, 137, 100)` looks like.

```
.text, #text, p{  
    color:rgb(249, 137, 100)  
}
```

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(249, 137, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 137, 100) }
```

Border

The CSS property to change the border of an element to XYZ 50.3128, 38.9512, 16.9231 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(249, 137, 100) }
```


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

```
.border{ border-color:rgb(249, 137, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 137, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 137, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 137, 100);  
box-shadow:4px 4px 4px 4px rgb(249, 137,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3128, 38.9512, 16.9231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 137, 100) }
```

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

```
.background{ background-color: rgb(249,  
137, 100) }
```

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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