

Converting Colors

XYZ(48.9738, 40.6450, 14.4916)

Have a look what the booklet for
XYZ(48.9738, 40.6450, 14.4916)
contains.

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Color

**XYZ(48.8131, 40.4493,
14.4673)**

Conversions

Conversions Part 1

Format	Color
Hex	F29358
RGB	242, 147, 88
RGB Percent	95%, 58%, 35%
CMY	0.0510, 0.4235, 0.6549
CMYK	0.00, 0.39, 0.64, 0.05
HSL	23°, 86%, 65%
HSV	23°, 64%, 95%
XYZ	48.8131, 40.4493, 14.4673
YIQ	168.6790, 75.5590, 1.7910

Conversions

Conversions Part 2

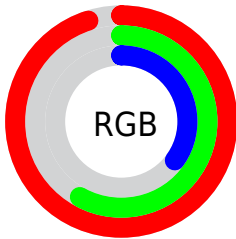
Format	Color
R_{YB}	242, 184, 88
Decimal	15897432
CIE _{Lab}	69.79, 30.63, 45.85
CIE _{LCh}	70, 55.144, 56.257
Yxy	40.4493, 0.4706, 0.3899
Android (android.graphics.Color)	4294087512 (0xFFFF29358)
YUV	168.6790, -39.7747, 64.3025
Hunter-Lab	63.5998, 25.7000, 31.0329

Details

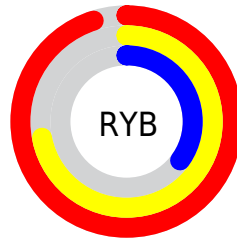
The XYZ color **48.8131, 40.4493, 14.4673** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **36.9838, 42.3500, 90.2289**, and the grayscale version is **37.7186, 39.6829, 43.2147**.

A 20% lighter version of the original color is **67.0942, 65.3945, 33.8971**, and **23.5145, 18.1547, 4.1843** is the 20% darker color. If you saturate the color by 10%, you get **45.7995, 35.7692, 9.3112**, and if you desaturate by 10%, it is **52.4624, 45.8691, 21.4768**.

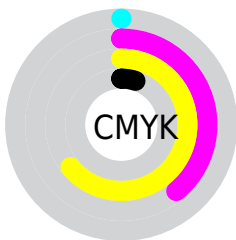
Distribution



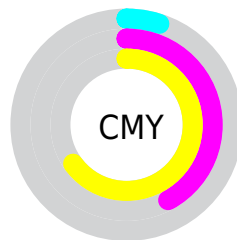
- Red (95%)
- Green (58%)
- Blue (35%)



- Red (95%)
- Yellow (72%)
- Blue (35%)



- Cyan (0%)
- Magenta (39%)
- Yellow (64%)
- Black (5%)





- Cyan (5%)
- Magenta (42%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8131, 40.4493, 14.4673 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 48.8131, 40.4493, 14.4673 by changing the saturation by 10% instead.


 48.8131, 40.4493,
14.4673


 48.8131, 40.4493,
14.4673


372.5352,
348.0137, 231.6475

 34.6852, 27.8890,
8.3039


 87.6162, 75.8472,
34.6449

 23.5858, 18.2420,
4.1995


 113.0221, 99.4536,
49.4962


 15.1497, 11.1239,
1.7354


 142.9180,
127.5109, 68.0806

 9.0115, 6.1502,
0.3848

 177.6692,
160.4034, 90.8166

 4.8059, 2.9366,
0.0000

 217.6413,
198.5155, 118.1228

 2.1674, 1.0987,
0.0000

263.1994,

 0.7255, 0.0000,

242.2317, 150.4176

0.0000

314.7089,
291.9363, 188.1197

0.0000, 0.0000,
0.0000

48.8131, 40.4493,
14.4673

48.8131, 40.4493,
14.4673

45.7995, 35.7692,
9.3112

52.4624, 45.8691,
21.4768

43.3730, 31.7857,
5.8214

56.7852, 52.0560,
30.4974

41.4803, 28.4597,
3.7741

61.8191, 59.0433,
41.6726

40.5078, 26.6574,
3.0104

67.5981, 66.8603,
55.1317

74.1535, 75.5347,
70.9939

■ 81.5150, 85.0929,
89.3700

■ 89.3212, 95.4042,
108.3149

■ 90.4277, 97.6171,
108.6837

Harmonies

Analogous

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



56.0261, 40.4493, 25.6464



48.8131, 40.4493, 14.4673



39.5795, 40.4493, 10.9068

Triad

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



48.8131, 40.4493, 14.4673



23.7098, 40.4493, 40.9047



46.5683, 40.4493, 104.6361

Complementary

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



48.8131, 40.4493, 14.4673



36.9838, 42.3500, 90.2289

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.



37.3340, 40.4493, 113.7517



48.8131, 40.4493, 14.4673



24.9916, 40.4493, 69.6273

Square

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



48.8131, 40.4493, 14.4673



25.8435, 40.4493, 21.9557



29.6614, 40.4493, 99.0151



54.5954, 40.4493, 77.4618

Rectangle

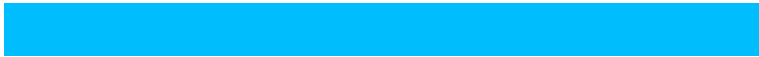
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.8131, 40.4493, 14.4673



33.8288, 40.4493, 11.6588



29.6614, 40.4493, 99.0151



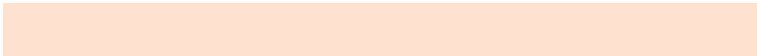
43.4649, 40.4493, 110.2775

Sweetspot

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



48.8140, 40.4514, 14.4680



79.4036, 79.6551, 69.9334



48.9210, 29.3822, 49.2877



16.5525, 16.4609, 13.9035



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.



48.8140, 40.4514, 14.4680



50.8154, 39.0545, 9.3032



64.3589, 71.5412, 19.6497



16.2693, 16.7517, 16.5256



21.8834, 14.5650, 1.6579



1.9138, 1.3983, 0.1690

Inverse Universe

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



36.9838, 42.3500, 90.2289



36.4587, 41.1622, 100.6313



25.4707, 19.3239, 86.3912



15.7092, 16.8525, 20.1465



14.5432, 15.3106, 47.3166



1.3057, 1.4654, 3.9683

Previews

White Background



This preview shows how the XYZ color 48.8131, 40.4493, 14.4673 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 48.8131, 40.4493, 14.4673 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 48.8131, 40.4493, 14.4673

Background



This preview shows how black text looks on a background with the XYZ color 48.8131, 40.4493, 14.4673.



This preview shows how white text looks on a background with the XYZ color 48.8131, 40.4493,

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

48.8131, 40.4493, 14.4673

Protanopia

37.4133, 40.6617, 16.9429

Deuteranopia

41.2758, 40.5361, 14.0363



Tritanopia

52.8891, 40.5510, 33.8937

Trichromacy



Original Color

48.8131, 40.4493, 14.4673

Protanomaly

40.9085, 40.0409, 15.9285

Deuteranomaly

43.8209, 40.2994, 14.0633

Tritanomaly

51.3094, 40.5897, 25.2090

Monochromacy



Original Color

48.8131, 40.4493, 14.4673

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

40.2434, 39.1190, 30.2406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8131, 40.4493, 14.4673 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(242, 147, 88)` looks like.

```
.text, #text, p{  
    color:rgb(242, 147, 88)  
}
```

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(242, 147, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 147, 88) }
```

Border

The CSS property to change the border of an element to XYZ 48.8131, 40.4493, 14.4673 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(242, 147, 88) }
```


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

```
.border{ border-color:rgb(242, 147, 88) }
```

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

Here you see how a box with a 4 pixel rgb(242, 147, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 147, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 147, 88);  
box-shadow:4px 4px 4px 4px rgb(242, 147,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8131, 40.4493, 14.4673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 147, 88) }
```

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

```
.background{ background-color: rgb(242,  
147, 88) }
```

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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