

Converting Colors

XYZ(47.9553, 40.8428, 12.6398)

Have a look what the booklet for
XYZ(47.9553, 40.8428, 12.6398)
contains.

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Color

**XYZ(47.8781, 40.7135,
12.5428)**

Conversions

Conversions Part 1

Format	Color
Hex	EF964E
RGB	239, 150, 78
RGB Percent	94%, 59%, 31%
CMY	0.0627, 0.4117, 0.6941
CMYK	0.00, 0.37, 0.67, 0.06
HSL	27°, 83%, 62%
HSV	27°, 67%, 94%
XYZ	47.8781, 40.7135, 12.5428
YIQ	168.4030, 76.1560, -3.5240

Conversions

Conversions Part 2

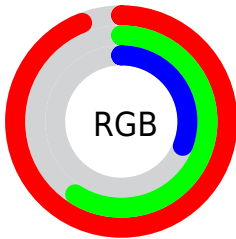
Format	Color
R _Y B	239, 208, 78
Decimal	15701582
CIE Lab	69.97, 27.25, 50.92
CIE LCh	70, 57.754, 61.842
Yxy	40.7135, 0.4734, 0.4026
Android (android.graphics.Color)	4293891662 (0xFFEF964E)
YUV	168.4030, -44.5687, 61.9136
Hunter-Lab	63.8071, 22.2762, 33.0101

Details

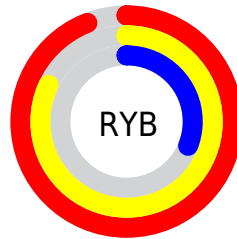
The XYZ color **47.8781, 40.7135, 12.5428** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **32.5397, 35.4872, 86.7955**, and the grayscale version is **37.6049, 39.5633, 43.0844**.

A 20% lighter version of the original color is **67.1006, 66.5343, 30.4249**, and **23.0198, 18.4678, 3.3883** is the 20% darker color. If you saturate the color by 10%, you get **45.1813, 36.4513, 8.1571**, and if you desaturate by 10%, it is **51.1257, 45.5798, 18.6481**.

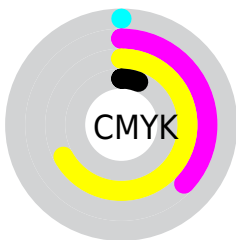
Distribution



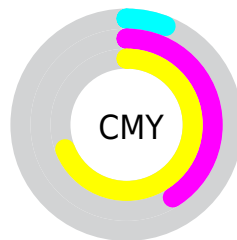
- Red (94%)
- Green (59%)
- Blue (31%)



- Red (94%)
- Yellow (82%)
- Blue (31%)



- Cyan (0%)
- Magenta (37%)
- Yellow (67%)
- Black (6%)




- Cyan (6%)
- Magenta (41%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.8781, 40.7135, 12.5428 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 47.8781, 40.7135, 12.5428 by changing the saturation by 10% instead.


 47.8781, 40.7135,
12.5428


 47.8781, 40.7135,
12.5428


368.8994,
349.1218, 219.0703


 33.9412, 28.0953,
6.9875


 86.2337, 76.2488,
31.1590

 23.0111, 18.3975,
3.3759


 111.3831, 99.9347,
45.0569


 14.7225, 11.2357,
1.2896


 141.0007,
128.0785, 62.5728

 8.7099, 6.2256,
0.0533

 175.4519,
161.0648, 84.1251

 4.6080, 2.9828,
0.0000

 215.1020,
199.2779, 110.1325

 2.0515, 1.1227,
0.0000

260.3163,

 0.6627, 0.0000,

243.1021, 141.0135

0.0000

311.4604,
292.9219, 177.1866

■ 0.0000, 0.0000,
0.0000

■ 47.8781, 40.7135,
12.5428

■ 47.8781, 40.7135,
12.5428

■ 45.1813, 36.4513,
8.1571

■ 51.1257, 45.5798,
18.6481

■ 42.9891, 32.7569,
5.2988

■ 54.9590, 51.0709,
26.6328


■ 41.2473, 29.5972,
3.7198


■ 59.4129, 57.2140,
36.6405


■ 40.8427, 28.8432,
3.4146

■ 64.5182, 64.0323,
48.8003

■ 70.3036, 71.5480,
63.2301

 76.7958, 79.7819,
80.0395

 84.0200, 88.7538,
99.3308

 89.4064, 97.0906,
108.6359

Harmonies

Analogous

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



56.1911, 40.7135, 22.2277



47.8781, 40.7135, 12.5428



38.1183, 40.7135, 10.0911

Triad

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



47.8781, 40.7135, 12.5428



23.2845, 40.7135, 46.0166



49.0484, 40.7135, 104.5234

Complementary

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



47.8781, 40.7135, 12.5428



32.5397, 35.4872, 86.7955

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.



39.2814, 40.7135, 118.9032



47.8781, 40.7135, 12.5428



25.2724, 40.7135, 77.6707

Square

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



47.8781, 40.7135, 12.5428



24.8372, 40.7135, 24.0985



30.7716, 40.7135, 107.5018



56.9401, 40.7135, 73.5531

Rectangle

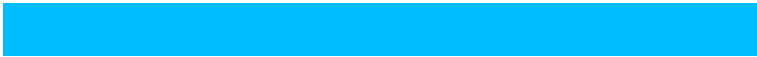
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.8781, 40.7135, 12.5428



32.3485, 40.7135, 11.5314



30.7716, 40.7135, 107.5018



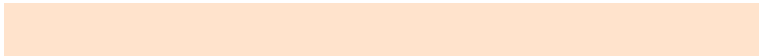
45.8260, 40.7135, 111.9157

Sweetspot

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



47.8790, 40.7156, 12.5436



79.5560, 80.4536, 68.4628



45.5043, 26.6731, 40.4014



16.6194, 16.6904, 13.6305



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.



47.8790, 40.7156, 12.5436



51.2823, 40.4762, 7.9550



64.7883, 74.5341, 18.1800



16.3548, 16.9228, 16.5541



22.6973, 16.1928, 1.9292



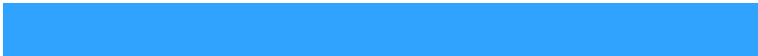
1.9860, 1.5428, 0.1931

Inverse Universe

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



32.5397, 35.4872, 86.7955



32.3205, 33.9198, 99.4514



22.2724, 14.9526, 83.3731



15.6217, 16.6775, 20.1173



13.3109, 12.8460, 46.9058



1.2065, 1.2670, 3.9352

Previews

White Background



This preview shows how the XYZ color 47.8781, 40.7135, 12.5428 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 47.8781, 40.7135, 12.5428 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 47.8781, 40.7135, 12.5428

Background



This preview shows how black text looks on a background with the XYZ color 47.8781, 40.7135, 12.5428.



This preview shows how white text looks on a background with the XYZ color 47.8781, 40.7135,

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

47.8781, 40.7135, 12.5428

Protanopia

37.6274, 41.1081, 14.5458

Deuteranopia

41.5186, 40.6994, 12.3241



Tritanopia

52.6487, 40.8461, 34.8150

Trichromacy



Original Color

47.8781, 40.7135, 12.5428

Protanomaly

40.8109, 40.5700, 13.6625

Deuteranomaly

43.6556, 40.5051, 12.3548

Tritanomaly

50.4450, 40.6087, 24.5816

Monochromacy



Original Color

47.8781, 40.7135, 12.5428

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

39.3662, 38.7083, 28.3183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8781, 40.7135, 12.5428 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(239, 150, 78)` looks like.

```
.text, #text, p{  
    color:rgb(239, 150, 78)  
}
```

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(239, 150, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 150, 78) }
```

Border

The CSS property to change the border of an element to XYZ 47.8781, 40.7135, 12.5428 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(239, 150, 78) }
```


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

```
.border{ border-color:rgb(239, 150, 78) }
```

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

Here you see how a box with a 4 pixel rgb(239, 150, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 150, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 150, 78);  
box-shadow:4px 4px 4px 4px rgb(239, 150,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8781, 40.7135, 12.5428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 150, 78) }
```

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

```
.background{ background-color: rgb(239,  
150, 78) }
```

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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