

Converting Colors

XYZ(54.2290, 48.0650, 13.4235)

Have a look what the booklet for
XYZ(54.2290, 48.0650, 13.4235)
contains.

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Color

**XYZ(54.0427, 47.9480,
13.4277)**

Conversions

Conversions Part 1

Format	Color
Hex	F9A64D
RGB	249, 166, 77
RGB Percent	98%, 65%, 30%
CMY	0.0235, 0.3490, 0.6980
CMYK	0.00, 0.33, 0.69, 0.02
HSL	31°, 93%, 64%
HSV	31°, 69%, 98%
XYZ	54.0427, 47.9480, 13.4277
YIQ	180.6710, 78.0370, -10.0830

Conversions

Conversions Part 2

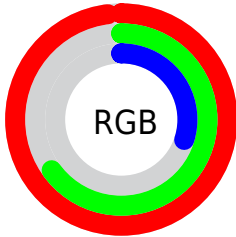
Format	Color
R _{YB}	237, 249, 77
Decimal	16361037
CIE Lab	74.79, 22.88, 56.99
CIE LCh	75, 61.409, 68.125
Yxy	47.9480, 0.4682, 0.4154
Android (android.graphics.Color)	4294551117 (0xFFF9A64D)
YUV	180.6710, -51.1098, 59.9245
Hunter-Lab	69.2445, 18.1346, 36.9738

Details

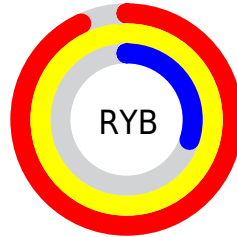
The XYZ color **54.0427, 47.9480, 13.4277** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **32.7295, 33.5573, 94.3741**, and the grayscale version is **43.9822, 46.2727, 50.3909**.

A 20% lighter version of the original color is **71.1257, 74.5846, 31.7666**, and **26.9012, 22.7839, 3.7389** is the 20% darker color. If you saturate the color by 10%, you get **51.2431, 43.4971, 8.9559**, and if you desaturate by 10%, it is **57.3848, 52.9464, 19.7402**.

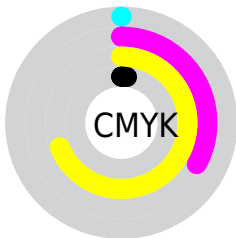
Distribution



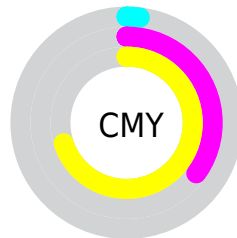
- Red (98%)
- Green (65%)
- Blue (30%)



- Red (93%)
- Yellow (98%)
- Blue (30%)



- Cyan (0%)
- Magenta (33%)
- Yellow (69%)
- Black (2%)



- Cyan (2%)
- Magenta (35%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 54.0427, 47.9480, 13.4277 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 54.0427, 47.9480, 13.4277 by changing the saturation by 10% instead.

54.0427, 47.9480,
13.4277

54.0427, 47.9480,
13.4277

392.4685,
378.5860, 224.9441

38.8666, 33.7857,
7.5895

95.2935, 87.1270,
32.7724

26.8362, 22.7290,
3.7495

122.0988,
112.9125, 47.1161

17.5862, 14.3935,
1.4889

153.5114,
143.3411, 65.1320

10.7512, 8.3949,
0.2097

189.8964,
178.7973, 87.2387

5.9658, 4.3487,
0.0000

231.6192,
219.6656, 113.8547

2.8648, 1.8704,
0.0000

279.0453,

1.0827, 0.5305,

266.3301, 145.3986

0.0000

332.5400,
319.1755, 182.2889

■ 0.0105, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.0427, 47.9480,
13.4277

■ 54.0427, 47.9480,
13.4277

■ 51.2431, 43.4971,
8.9559

■ 57.3848, 52.9464,
19.7402

■ 48.9365, 39.5590,
6.1057


■ 61.3059, 58.5095,
28.0735


■ 47.0569, 36.1000,
4.5539


■ 65.8424, 64.6620,
38.5889


■ 46.8974, 35.8010,
4.4385

■ 71.0262, 71.4247,
51.4303

 76.8868, 78.8171,
66.7295

 83.4518, 86.8575,
84.6080

 90.7469, 95.5636,
105.1794

 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.



64.6189, 47.9480, 22.7196



54.0427, 47.9480, 13.4277



42.6076, 47.9480, 11.9461

Triad

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



54.0427, 47.9480, 13.4277



27.4632, 47.9480, 61.3817



60.1429, 47.9480, 116.9914

Complementary

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



54.0427, 47.9480, 13.4277



32.7295, 33.5573, 94.3741

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.



48.6731, 47.9480, 139.7117



54.0427, 47.9480, 13.4277



30.6939, 47.9480, 100.0693

Square

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



54.0427, 47.9480, 13.4277



28.4225, 47.9480, 32.4983



38.0382, 47.9480, 132.5014



68.5220, 47.9480, 78.6079

Rectangle

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



54.0427, 47.9480, 13.4277



36.1895, 47.9480, 14.6057



38.0382, 47.9480, 132.5014



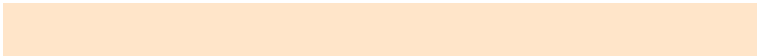
56.4530, 47.9480, 127.3027

Sweetspot

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



54.0438, 47.9504, 13.4286



79.8995, 81.6260, 67.0805



48.0777, 27.9905, 36.1881



16.7285, 17.0029, 13.3762



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.



54.0438, 47.9504, 13.4286



53.0531, 44.1782, 8.0504



73.2677, 87.9036, 20.1271



17.9876, 18.7111, 18.1259



25.2467, 19.4501, 2.4236



2.4445, 2.0138, 0.2599

Inverse Universe

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



32.7295, 33.5573, 94.3741



29.2593, 28.1378, 98.4967



23.0501, 13.8474, 91.0799



16.9742, 18.0252, 21.9699



12.8983, 11.1522, 49.4463



1.3002, 1.2440, 4.6148

Previews

White Background



This preview shows how the XYZ color 54.0427, 47.9480, 13.4277 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 54.0427, 47.9480, 13.4277 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 54.0427, 47.9480, 13.4277

Background



This preview shows how black text looks on a background with the XYZ color 54.0427, 47.9480, 13.4277.



This preview shows how white text looks on a background with the XYZ color 54.0427, 47.9480,

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

54.0427, 47.9480, 13.4277

Protanopia

44.0871, 48.3016, 15.1831

Deuteranopia

48.8791, 47.8124, 13.1311



Tritanopia

60.1964, 47.8641, 43.1118

Trichromacy



Original Color

54.0427, 47.9480, 13.4277

Protanomaly

47.2244, 47.8070, 14.5233

Deuteranomaly

50.6146, 47.8459, 13.2241

Tritanomaly

57.4520, 47.7735, 29.1148

Monochromacy



Original Color

54.0427, 47.9480, 13.4277

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

45.9369, 46.1556, 32.4744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.0427, 47.9480, 13.4277 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, 166, 77)` looks like.

```
.text, #text, p{  
    color:rgb(249, 166, 77)  
}
```

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, 166, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 166, 77) }
```

Border

The CSS property to change the border of an element to XYZ 54.0427, 47.9480, 13.4277 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, 166, 77) }
```


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

```
.border{ border-color:rgb(249, 166, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 166, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 166, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 166, 77);  
box-shadow:4px 4px 4px 4px rgb(249, 166,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 54.0427, 47.9480, 13.4277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 166, 77) }
```

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

```
.background{ background-color: rgb(249,  
166, 77) }
```

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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