

Converting Colors

XYZ(54.6357, 47.9385, 6.7431)

Have a look what the booklet for
XYZ(54.6357, 47.9385, 6.7431)
contains.

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Color

**XYZ(54.5881, 47.8400,
6.7377)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA40D
RGB	255, 164, 13
RGB Percent	100%, 64%, 5%
CMY	0.0000, 0.3568, 0.9490
CMYK	0.00, 0.36, 0.95, 0.00
HSL	37°, 100%, 53%
HSV	37°, 95%, 100%
XYZ	54.5881, 47.8400, 6.7377
YIQ	173.9950, 102.7070, -27.6690

Conversions

Conversions Part 2

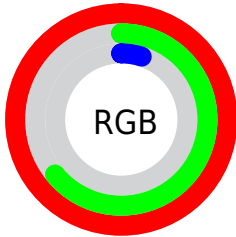
Format	Color
RYB	159, 255, 13
Decimal	16753677
CIELab	74.72, 24.56, 77.31
CIELCh	75, 81.122, 72.375
Yxy	47.8400, 0.5000, 0.4382
Android (android.graphics.Color)	4294943757 (0xFFFFFA40D)
YUV	173.9950, -79.3705, 71.0414
Hunter-Lab	69.1665, 19.8359, 42.6409

Details

The XYZ color **54.5881, 47.8400, 6.7377** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **23.1668, 17.2072, 96.7072**, and the grayscale version is **40.5897, 42.7035, 46.5041**.

A 20% lighter version of the original color is **68.1329, 72.5476, 18.5957**, and **27.5324, 22.7948, 2.9487** is the 20% darker color. If you saturate the color by 10%, you get **53.6574, 46.0954, 6.0692**, and if you desaturate by 10%, it is **56.6559, 51.5193, 8.8356**.

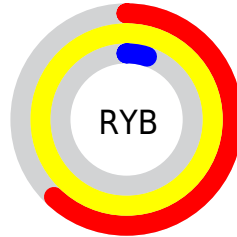
Distribution



Red (100%)

Green (64%)

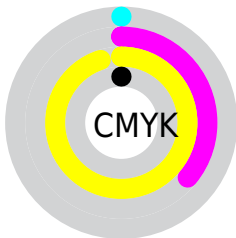
Blue (5%)



Red (62%)

Yellow (100%)

Blue (5%)

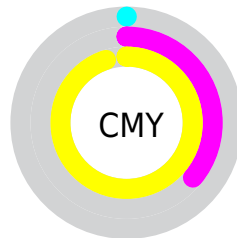


Cyan (0%)

Magenta (36%)

Yellow (95%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.5881, 47.8400, 6.7377 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 54.5881, 47.8400, 6.7377 by changing the saturation by 10% instead.


 54.5881, 47.8400,
6.7377


 54.5881, 47.8400,
6.7377


394.5105,
378.1576, 175.0134

 39.3046, 33.7002,
3.2227


 96.0890, 86.9661,
19.9474


 27.1785, 22.6634,
1.2094


 123.0372,
112.7213, 30.4791

 17.8446, 14.3451,
0.0000


 154.6042,
143.1169, 44.1867

 10.9375, 8.3611,
0.0000

 191.1555,
178.5376, 61.4889

 6.0918, 4.3269,
0.0000

 233.0564,
219.3676, 82.8041

 2.9422, 1.8580,
0.0000

 280.6723,

 1.1233, 0.5230,

265.9913, 108.5509

0.0000

334.3686,
318.7932, 139.1478

■ 0.0444, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.5881, 47.8400,
6.7377

■ 54.5881, 47.8400,
6.7377

■ 53.6574, 46.0954,
6.0692

■ 56.6559, 51.5193,
8.8356

■ 59.1370, 55.5732,
12.4623

■ 62.0842, 60.0293,
17.8792

■ 65.5403, 64.9088,
25.2978

69.5421, 70.2303,
34.9002

74.1226, 76.0111,
46.8474

79.3116, 82.2669,
61.2854

85.1367, 89.0124,
78.3481

91.6238, 96.2616,
98.1597

Harmonies

Analogous

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



69.7429, 47.8400, 14.3358



54.5881, 47.8400, 6.7377



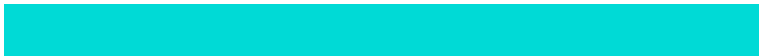
39.6716, 47.8400, 6.2582

Triad

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



54.5881, 47.8400, 6.7377



23.0525, 47.8400, 71.4599



67.3335, 47.8400, 137.8272

Complementary

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



54.5881, 47.8400, 6.7377



23.1668, 17.2072, 96.7072

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.



51.8086, 47.8400, 178.1202



54.5881, 47.8400, 6.7377



27.6055, 47.8400, 128.0276

Square

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



54.5881, 47.8400, 6.7377



23.4816, 47.8400, 31.2026



37.4292, 47.8400, 173.7949



78.1235, 47.8400, 80.6832

Rectangle

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



54.5881, 47.8400, 6.7377



31.9389, 47.8400, 9.2461



37.4292, 47.8400, 173.7949



62.3683, 47.8400, 154.8916

Sweetspot

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



54.5892, 47.8425, 6.7386



77.6351, 80.2745, 56.5306



43.9735, 22.5839, 15.6157



16.1394, 16.6054, 10.7729



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.



54.5892, 47.8425, 6.7386



53.6579, 46.0958, 6.0693



67.4376, 87.8416, 13.7820



18.9537, 19.8756, 18.9817



28.1857, 24.3826, 3.2208



2.8495, 2.5843, 0.3486

Inverse Universe

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



23.1668, 17.2072, 96.7072



22.2224, 15.5648, 96.4408



19.1182, 7.9846, 95.1405



17.5626, 18.4969, 22.8946



11.7433, 8.3962, 50.4363



1.2444, 1.0194, 4.9445

Previews

White Background



This preview shows how the XYZ color 54.5881, 47.8400, 6.7377 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 54.5881, 47.8400, 6.7377 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 54.5881, 47.8400, 6.7377

Background



This preview shows how black text looks on a background with the XYZ color 54.5881, 47.8400, 6.7377.



This preview shows how white text looks on a background with the XYZ color 54.5881, 47.8400,

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

54.5881, 47.8400, 6.7377

Protanopia

43.5062, 48.1657, 7.7630

Deuteranopia

48.9342, 47.9836, 6.6826



Tritanopia

60.0114, 47.7901, 42.1379

Trichromacy



Original Color

54.5881, 47.8400, 6.7377

Protanomaly

46.8910, 47.4988, 7.3129

Deuteranomaly

50.8659, 47.8375, 6.6962

Tritanomaly

56.4526, 47.1821, 20.8835

Monochromacy



Original Color

54.5881, 47.8400, 6.7377

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

42.0978, 42.6838, 22.2397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.5881, 47.8400, 6.7377 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(255, 164, 13)` looks like.

```
.text, #text, p{  
    color:rgb(255, 164, 13)  
}
```

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(255, 164, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 164, 13) }
```

Border

The CSS property to change the border of an element to XYZ 54.5881, 47.8400, 6.7377 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(255, 164, 13) }
```


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

```
.border{ border-color:rgb(255, 164, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 164, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 164, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 164, 13);  
box-shadow:4px 4px 4px 4px rgb(255, 164,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 54.5881, 47.8400, 6.7377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 164, 13) }
```

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

```
.background{ background-color: rgb(255,  
164, 13) }
```

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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