

# Converting Colors

XYZ(54.5752, 47.9304, 6.3751)

Have a look what the booklet for  
XYZ(54.5752, 47.9304, 6.3751)  
contains.

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# Color

**XYZ(54.5155, 47.8109,  
6.3552)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA400
RGB	255, 164, 0
RGB Percent	100%, 64%, 0%
CMY	0.0000, 0.3568, 0.9999
CMYK	0.00, 0.36, 1.00, 0.00
HSL	39°, 100%, 50%
HSV	39°, 100%, 100%
XYZ	54.5155, 47.8109, 6.3552
YIQ	172.5130, 106.8800, -31.7120

# Conversions

## Conversions Part 2

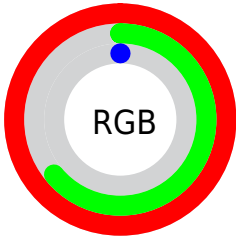
Format	Color
R <sub>Y</sub> B	141, 255, 0
Decimal	16753664
CIE Lab	74.71, 24.46, 78.81
CIE LCh	75, 82.516, 72.759
Yxy	47.8109, 0.5016, 0.4399
Android (android.graphics.Color)	4294943744 (0xFFFFA400)
YUV	172.5130, -85.0489, 72.3411
Hunter-Lab	69.1454, 19.7281, 42.9524

# Details

The XYZ color **54.5155, 47.8109, 6.3552** is a dark color, and the websafe version is hex **FF9900**, and the color name is **golden yellow (yamabuki-iro)**. The color can be described as middle saturated orange. A complement of this color would be **21.7920, 14.7039, 96.2967**, and the grayscale version is **39.8557, 41.9313, 45.6631**.

A 20% lighter version of the original color is **67.9828, 72.4875, 17.8056**, and **27.5324, 22.7948, 2.9487** is the 20% darker color. If you saturate the color by 10%, you get **54.5153, 47.8111, 6.3552**, and if you desaturate by 10%, it is **56.3849, 51.2605, 7.8717**.

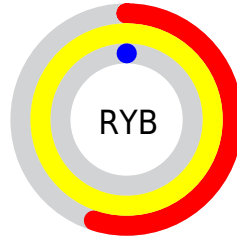
# Distribution



Red (100%)

Green (64%)

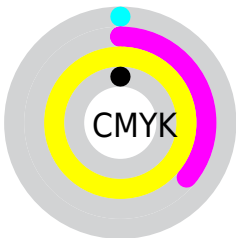
Blue (0%)



Red (55%)

Yellow (100%)

Blue (0%)

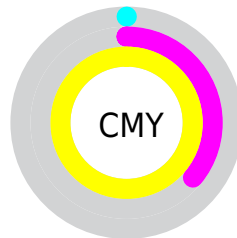


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (0%)



Cyan (0%)

Magenta (36%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.5155, 47.8109, 6.3552 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 54.5155, 47.8109, 6.3552 by changing the saturation by 10% instead.





 54.5155, 47.8109,  
6.3552


 54.5155, 47.8109,  
6.3552


394.2391,  
378.0421, 171.6153

 39.2463, 33.6772,  
2.9900


 95.9832, 86.9228,  
19.1541

 27.1329, 22.6457,  
1.0895


 122.9124,  
112.6697, 29.4248

 17.8102, 14.3321,  
0.0000


 154.4589,  
143.0565, 42.8344

 10.9127, 8.3520,  
0.0000

 190.9881,  
178.4676, 59.8015

 6.0750, 4.3210,  
0.0000

 232.8653,  
219.2872, 80.7446

 2.9318, 1.8547,  
0.0000

 280.4560,

 1.1178, 0.5209,

265.9000, 106.0822

0.0000

334.1255,  
318.6901, 136.2329

■ 0.0399, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.5155, 47.8109,  
6.3552

■ 54.5155, 47.8109,  
6.3552

■ 54.5153, 47.8111,  
6.3552

■ 56.3849, 51.2605,  
7.8717

■ 58.6080, 55.0397,  
10.6687

■ 61.2600, 59.1844,  
15.1272

■ 64.3874, 63.7166,  
21.4798

68.0292, 68.6555,  
29.9222

72.2198, 74.0181,  
40.6250

76.9902, 79.8202,  
53.7412

82.3689, 86.0763,  
69.4105

88.3820, 92.8001,  
87.7617

# Harmonies

## Analogous

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



70.0109, 47.8109, 13.7610



54.5155, 47.8109, 6.3552



39.3801, 47.8109, 5.9535

# Triad

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



54.5155, 47.8109, 6.3552



22.7607, 47.8109, 72.4592



67.9096, 47.8109, 139.0244

# Complementary

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



54.5155, 47.8109, 6.3552



21.7920, 14.7039, 96.2967

# 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.



52.0979, 47.8109, 180.8781



54.5155, 47.8109, 6.3552



27.4219, 47.8109, 130.4353

# Square

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



54.5155, 47.8109, 6.3552



23.1300, 47.8109, 31.2547



37.4371, 47.8109, 177.0784



78.8338, 47.8109, 80.5004



# Rectangle

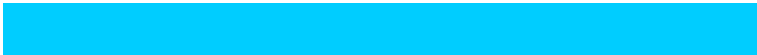
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



54.5155, 47.8109, 6.3552



31.5842, 47.8109, 8.9614



37.4371, 47.8109, 177.0784



62.8575, 47.8109, 156.6510

# Sweetspot

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



54.5166, 47.8134, 6.3561



76.9872, 79.8166, 53.7316



43.2384, 22.0596, 12.4540



16.0324, 16.5488, 10.2523



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.



54.5166, 47.8134, 6.3561



54.5157, 47.8114, 6.3552



65.5792, 86.8920, 13.3159



18.9840, 19.9361, 18.9918



28.6319, 25.2750, 3.3695



2.8911, 2.6675, 0.3625



# Inverse Universe

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



21.7920, 14.7039, 96.2967



21.7910, 14.7019, 96.2970



18.7103, 7.5607, 95.0803



17.5334, 18.4384, 22.8848



11.5137, 7.9370, 50.3597



1.2198, 0.9702, 4.9363



# Previews

## White Background



This preview shows how the XYZ color 54.5155, 47.8109, 6.3552 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 54.5155, 47.8109, 6.3552 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 54.5155, 47.8109, 6.3552**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.5155, 47.8109, 6.3552.



This preview shows how white text looks on a background with the XYZ color 54.5155, 47.8109,



# 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

54.5155, 47.8109, 6.3552

### Protanopia

43.4706, 48.1515, 7.5753

### Deuteranopia

48.9342, 47.9836, 6.6826



## Tritanopia

60.0114, 47.7901, 42.1379

# Trichromacy



## Original Color

54.5155, 47.8109, 6.3552

## Protanomaly

46.8339, 47.4760, 7.0120

## Deuteranomaly

50.8385, 47.8266, 6.5520

## Tritanomaly

56.2397, 47.0969, 19.7621

# Monochromacy



## Original Color

54.5155, 47.8109, 6.3552

## Achromatopsia

39.7200, 41.7885, 45.5077

## Achromatomaly

41.8178, 42.5717, 20.7650

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.5155, 47.8109, 6.3552 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 164, 0)  
}
```

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, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 164, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 54.5155, 47.8109, 6.3552 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, 0) }
```



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

```
.border{ border-color:rgb(255, 164, 0) }
```

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, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 164, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 164, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 164,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.5155, 47.8109, 6.3552 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, 0) }
```

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

```
.background{ background-color: rgb(255,  
164, 0) }
```

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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