

# Converting Colors

XYZ(61.4538, 47.9057, 9.7860)

Have a look what the booklet for  
XYZ(61.4538, 47.9057, 9.7860)  
contains.

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# Color

**XYZ(53.0204, 43.6787,  
9.3777)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF9738
RGB	255, 151, 56
RGB Percent	100%, 59%, 22%
CMY	0.0000, 0.4078, 0.7804
CMYK	0.00, 0.41, 0.78, 0.00
HSL	29°, 100%, 61%
HSV	29°, 78%, 100%
XYZ	53.0204, 43.6787, 9.3777
YIQ	171.2660, 92.4790, -7.4970

# Conversions

## Conversions Part 2

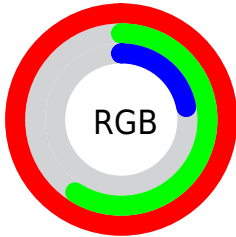
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 238, 56
Decimal	16750392
CIE <sub>Lab</sub>	72.01, 32.23, 63.42
CIE <sub>LCh</sub>	72, 71.143, 63.062
Yxy	43.6787, 0.4998, 0.4118
Android (android.graphics.Color)	4294940472 (0xFFFF9738)
YUV	171.2660, -56.8261, 73.4347
Hunter-Lab	66.0899, 27.5438, 37.8501

# Details

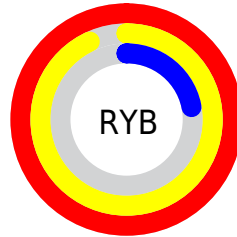
The XYZ color **53.0204, 43.6787, 9.3777** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **32.2508, 33.2005, 99.3156**, and the grayscale version is **39.0881, 41.1237, 44.7837**.

A 20% lighter version of the original color is **66.0716, 66.5067, 23.8227**, and **26.2001, 20.1301, 2.5046** is the 20% darker color. If you saturate the color by 10%, you get **50.5234, 39.4419, 6.2124**, and if you desaturate by 10%, it is **56.0790, 48.5318, 14.2957**.

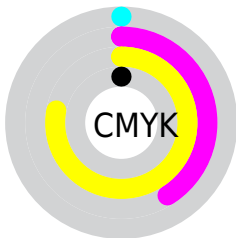
# Distribution



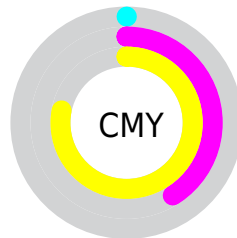
- Red (100%)
- Green (59%)
- Blue (22%)



- Red (100%)
- Yellow (93%)
- Blue (22%)



- Cyan (0%)
- Magenta (41%)
- Yellow (78%)
- Black (0%)




- Cyan (0%)
- Magenta (41%)
- Yellow (78%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.0204, 43.6787, 9.3777 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 53.0204, 43.6787, 9.3777 by changing the saturation by 10% instead.





 53.0204, 43.6787,  
9.3777


 53.0204, 43.6787,  
9.3777


388.6230,  
361.3955, 196.4917


 38.0466, 30.4180,  
4.8882

 93.7997, 80.7340,  
25.2075

 26.1962, 20.1561,  
2.1242


 120.3360,  
105.2975, 37.3849

 17.1040, 12.5085,  
0.6301


 151.4571,  
134.3973, 52.9619

 10.4044, 7.0910,  
0.0000

 187.5284,  
168.4178, 72.3572

 5.7322, 3.5191,  
0.0000

 228.9153,  
207.7435, 95.9893

 2.7220, 1.4084,  
0.0000

 275.9831,

 1.0085, 0.2229,

252.7588, 124.2767

0.0000

329.0972,  
303.8480, 157.6380

■ 0.0000, 0.0000,  
0.0000

■ 53.0204, 43.6787,  
9.3777

■ 53.0204, 43.6787,  
9.3777

■ 50.5234, 39.4419,  
6.2124

■ 56.0790, 48.5318,  
14.2957

■ 48.5194, 35.7755,  
4.4918

■ 59.7463, 54.0267,  
21.1899

■ 48.1675, 35.1155,  
4.2393

■ 64.0665, 60.1945,  
30.2526

■ 69.0782, 67.0621,  
41.6524

■ 74.8166, 74.6541,  
55.5409

81.3139, 82.9940,  
72.0569

88.6007, 92.1040,  
91.3289

95.0497, 99.9998,  
108.9000

# Harmonies

## Analogous

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



64.3270, 43.6787, 19.6045



53.0204, 43.6787, 9.3777



40.2800, 43.6787, 7.1546

# Triad

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



53.0204, 43.6787, 9.3777



22.2874, 43.6787, 51.2224



55.6052, 43.6787, 128.5285

# Complementary

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



53.0204, 43.6787, 9.3777



32.2508, 33.2005, 99.3156

# 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.



42.7756, 43.6787, 150.5029



53.0204, 43.6787, 9.3777



24.8563, 43.6787, 94.1797

# Square

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



53.0204, 43.6787, 9.3777



23.9805, 43.6787, 23.2364



31.8080, 43.6787, 135.5871



66.0122, 43.6787, 84.7527



# Rectangle

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



53.0204, 43.6787, 9.3777



33.0216, 43.6787, 8.7449



31.8080, 43.6787, 135.5871



51.3532, 43.6787, 139.4671

# Sweetspot

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



53.0214, 43.6810, 9.3785



77.9937, 78.7614, 63.5254



49.1875, 26.7019, 36.8065



16.2021, 16.2237, 12.3570



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.



53.0214, 43.6810, 9.3785



49.2761, 37.1908, 5.0446



75.6336, 88.9055, 16.9159



18.7248, 19.4178, 18.9054



25.3161, 18.6435, 2.2642



2.5735, 2.0324, 0.2566



# Inverse Universe

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



32.2508, 33.2005, 99.3156



27.7125, 26.2452, 98.2130



21.4383, 11.5756, 95.7115



17.7885, 18.9486, 22.9698



13.9833, 12.8762, 51.1829



1.4709, 1.4726, 5.0200



# Previews

## White Background



This preview shows how the XYZ color 53.0204, 43.6787, 9.3777 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 53.0204, 43.6787, 9.3777 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 53.0204, 43.6787, 9.3777**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.0204, 43.6787, 9.3777.



This preview shows how white text looks on a background with the XYZ color 53.0204, 43.6787, 9.3777.



# 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

53.0204, 43.6787, 9.3777

### Protanopia

39.9080, 43.8089, 11.0552

### Deuteranopia

44.7026, 43.7651, 9.1091



## Tritanopia

57.0460, 43.5396, 35.9692

# Trichromacy



## Original Color

53.0204, 43.6787, 9.3777

## Protanomaly

44.0317, 43.3916, 10.3297

## Deuteranomaly

47.4718, 43.5810, 9.1588

## Tritanomaly

54.9437, 43.4354, 22.6276

# Monochromacy



## Original Color

53.0204, 43.6787, 9.3777

## Achromatopsia

38.7082, 40.7240, 44.3485

## Achromatomaly

41.5950, 40.6925, 26.4310

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.0204, 43.6787, 9.3777 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, 151, 56)` looks like.

```
.text, #text, p{  
    color:rgb(255, 151, 56)  
}
```

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, 151, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 151, 56) }
```

## Border

The CSS property to change the border of an element to XYZ 53.0204, 43.6787, 9.3777 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, 151, 56) }
```



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

```
.border{ border-color:rgb(255, 151, 56) }
```

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

Here you see how a box with a 4 pixel rgb(255, 151, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 151, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 151, 56);  
box-shadow:4px 4px 4px 4px rgb(255, 151,  
56) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.0204, 43.6787, 9.3777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 151, 56) }
```

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

```
.background{ background-color: rgb(255,  
151, 56) }
```

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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