

Converting Colors

XYZ(53.1677, 44.7621, 8.7656)

Have a look what the booklet for
XYZ(53.1677, 44.7621, 8.7656)
contains.

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Color

**XYZ(53.1488, 44.7353,
8.7393)**

Conversions

Conversions Part 1

Format	Color
Hex	FE9B31
RGB	254, 155, 49
RGB Percent	100%, 61%, 19%
CMY	0.0039, 0.3921, 0.8078
CMYK	0.00, 0.39, 0.81, 0.00
HSL	31°, 99%, 59%
HSV	31°, 81%, 100%
XYZ	53.1488, 44.7353, 8.7393
YIQ	172.5170, 93.0300, -11.9780

Conversions

Conversions Part 2

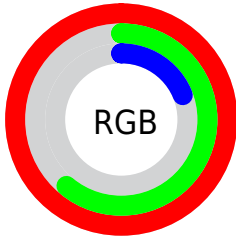
Format	Color
R _{YB}	240, 254, 49
Decimal	16685873
CIE Lab	72.72, 29.53, 66.69
CIE LCh	73, 72.933, 66.119
Yxy	44.7353, 0.4985, 0.4196
Android (android.graphics.Color)	4294875953 (0xFFFE9B31)
YUV	172.5170, -60.8939, 71.4606
Hunter-Lab	66.8845, 24.7948, 39.0721

Details

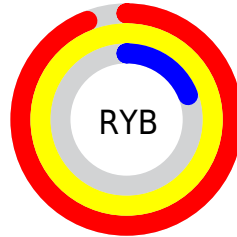
The XYZ color **53.1488, 44.7353, 8.7393** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **29.7453, 28.9873, 97.7926**, and the grayscale version is **39.7427, 41.8124, 45.5337**.

A 20% lighter version of the original color is **66.7853, 68.3527, 22.7701**, and **26.3361, 20.7769, 2.6223** is the 20% darker color. If you saturate the color by 10%, you get **50.8173, 40.7025, 6.0207**, and if you desaturate by 10%, it is **55.9912, 49.3081, 13.1165**.

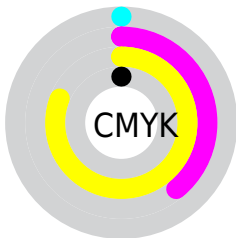
Distribution



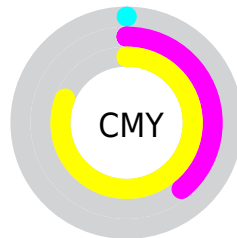
- Red (100%)
- Green (61%)
- Blue (19%)



- Red (94%)
- Yellow (100%)
- Blue (19%)



- Cyan (0%)
- Magenta (39%)
- Yellow (81%)
- Black (0%)





- Cyan (0%)
- Magenta (39%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.1488, 44.7353, 8.7393 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 53.1488, 44.7353, 8.7393 by changing the saturation by 10% instead.


 53.1488, 44.7353,
8.7393


 53.1488, 44.7353,
8.7393


389.1073,
365.7005, 191.5669


 38.1495, 31.2490,
4.4770


 93.9875, 82.3231,
23.9652

 26.2765, 20.7885,
1.8905


 120.5577,
107.1933, 35.7659


 17.1644, 12.9695,
0.4867


 151.7155,
136.6269, 50.9165

 10.4478, 7.4075,
0.0000

 187.8264,
171.0084, 69.8355

 5.7614, 3.7183,
0.0000

 229.2556,
210.7221, 92.9416

 2.7398, 1.5172,
0.0000

 276.3686,

 1.0177, 0.3008,

256.1524, 120.6531

0.0000

329.5307,
307.6837, 153.3887

■ 0.0000, 0.0000,
0.0000

■ 53.1488, 44.7353,
8.7393

■ 53.1488, 44.7353,
8.7393

■ 50.8173, 40.7025,
6.0207

■ 55.9912, 49.3081,
13.1165

■ 49.0353, 37.3957,
4.6336

■ 59.3918, 54.4435,
19.3853

■ 63.3941, 60.1699,
27.7431

■ 68.0360, 66.5111,
38.3618

■ 73.3515, 73.4891,
51.3950

79.3719, 81.1248,
66.9829

86.1266, 89.4374,
85.2548

93.6427, 98.4458,
106.3311

94.6828, 99.8107,
108.8828

Harmonies

Analogous

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



65.3553, 44.7353, 18.1004



53.1488, 44.7353, 8.7393



39.9788, 44.7353, 7.0850

Triad

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



53.1488, 44.7353, 8.7393



22.6270, 44.7353, 56.5196



58.5329, 44.7353, 129.4538

Complementary

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



53.1488, 44.7353, 8.7393



29.7453, 28.9873, 97.7926

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.



45.1658, 44.7353, 156.0215



53.1488, 44.7353, 8.7393



25.7394, 44.7353, 102.4045

Square

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



53.1488, 44.7353, 8.7393



23.9280, 44.7353, 25.5964



33.4113, 44.7353, 144.2323



68.8702, 44.7353, 82.7117

Rectangle

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



53.1488, 44.7353, 8.7393



32.6835, 44.7353, 9.1102



33.4113, 44.7353, 144.2323



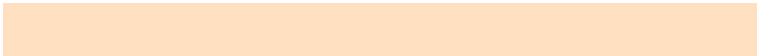
54.1542, 44.7353, 141.8742

Sweetspot

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



53.1498, 44.7376, 8.7401



78.0013, 79.2383, 62.1047



47.3233, 25.4085, 30.4624



16.2326, 16.3730, 12.0952



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.



53.1498, 44.7376, 8.7401



50.0235, 38.7600, 5.0646



75.6295, 91.5367, 16.5884



18.7863, 19.5408, 18.9259



26.0008, 20.0127, 2.4925



2.6410, 2.1674, 0.2792

Inverse Universe

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



29.7453, 28.9873, 97.7926



25.7474, 22.4726, 97.5884



20.4257, 10.0940, 94.6370



17.7269, 18.8254, 22.9493



13.2894, 11.4884, 50.9516



1.4027, 1.3361, 4.9972

Previews

White Background



This preview shows how the XYZ color 53.1488, 44.7353, 8.7393 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 53.1488, 44.7353, 8.7393 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 53.1488, 44.7353, 8.7393

Background



This preview shows how black text looks on a background with the XYZ color 53.1488, 44.7353, 8.7393.



This preview shows how white text looks on a background with the XYZ color 53.1488, 44.7353,

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

53.1488, 44.7353, 8.7393

Protanopia

40.6291, 44.7954, 10.1194

Deuteranopia

45.8621, 44.9314, 8.5409



Tritanopia

57.7595, 44.5618, 37.4553

Trichromacy



Original Color

53.1488, 44.7353, 8.7393

Protanomaly

44.5325, 44.2221, 9.5568

Deuteranomaly

48.5209, 44.9326, 8.5982

Tritanomaly

55.4164, 44.3807, 22.7851

Monochromacy



Original Color

53.1488, 44.7353, 8.7393

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

41.8896, 41.3875, 26.2028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.1488, 44.7353, 8.7393 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(254, 155, 49)` looks like.

```
.text, #text, p{  
    color:rgb(254, 155, 49)  
}
```

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(254, 155, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 155, 49) }
```

Border

The CSS property to change the border of an element to XYZ 53.1488, 44.7353, 8.7393 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(254, 155, 49) }
```


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

```
.border{ border-color:rgb(254, 155, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 155, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 155, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 155, 49);  
box-shadow:4px 4px 4px 4px rgb(254, 155,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 53.1488, 44.7353, 8.7393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 155, 49) }
```

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

```
.background{ background-color: rgb(254,  
155, 49) }
```

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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