

Converting Colors

XYZ(53.8449, 45.8537, 8.0309)

Have a look what the booklet for
XYZ(53.8449, 45.8537, 8.0309)
contains.

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Color

**XYZ(53.8499, 45.8669,
8.0225)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9E28
RGB	255, 158, 40
RGB Percent	100%, 62%, 16%
CMY	0.0000, 0.3804, 0.8431
CMYK	0.00, 0.38, 0.84, 0.00
HSL	33°, 100%, 58%
HSV	33°, 84%, 100%
XYZ	53.8499, 45.8669, 8.0225
YIQ	173.5510, 95.6900, -16.1340

Conversions

Conversions Part 2

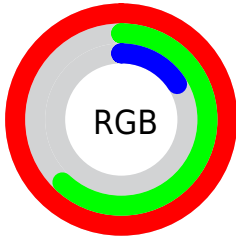
Format	Color
R _Y B	217, 255, 40
Decimal	16752168
CIE Lab	73.46, 28.13, 70.39
CIE LCh	73, 75.807, 68.216
Yxy	45.8669, 0.4998, 0.4257
Android (android.graphics.Color)	4294942248 (0xFFFF9E28)
YUV	173.5510, -65.8406, 71.4308
Hunter-Lab	67.7251, 23.4108, 40.3843

Details

The XYZ color **53.8499, 45.8669, 8.0225** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **27.8704, 25.5617, 98.0721**, and the grayscale version is **40.2956, 42.3941, 46.1672**.

A 20% lighter version of the original color is **67.1919, 69.7116, 21.2235**, and **26.8923, 21.5145, 2.7353** is the 20% darker color. If you saturate the color by 10%, you get **51.6791, 42.0062, 5.8179**, and if you desaturate by 10%, it is **56.4918, 50.2139, 11.7929**.

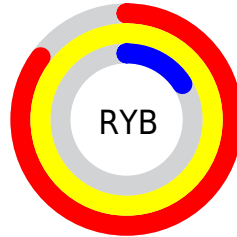
Distribution



Red (100%)

Green (62%)

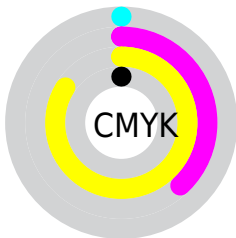
Blue (16%)



Red (85%)

Yellow (100%)

Blue (16%)

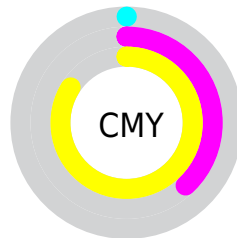


Cyan (0%)

Magenta (38%)

Yellow (84%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.8499, 45.8669, 8.0225 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 53.8499, 45.8669, 8.0225 by changing the saturation by 10% instead.


 53.8499, 45.8669,
8.0225


 53.8499, 45.8669,
8.0225


391.7451,
370.2733, 185.8496


 38.7119, 32.1408,
4.0214


 95.0120, 84.0198,
22.5494

 26.7154, 21.4691,
1.6371


 121.7668,
109.2153, 33.9123


 17.4950, 13.4673,
0.3171


 153.1245,
139.0028, 48.5662

 10.6856, 7.7511,
0.0000

 189.4506,
173.7667, 66.9296

 5.9215, 3.9361,
0.0000

 231.1103,
213.8912, 89.4212

 2.8376, 1.6379,
0.0000

 278.4691,

 1.0685, 0.3829,

259.7609, 116.4593

0.0000

331.8922,
311.7602, 148.4626

■ 0.0000, 0.0000,
0.0000

■ 53.8499, 45.8669,
8.0225

■ 53.8499, 45.8669,
8.0225

■ 51.6791, 42.0062,
5.8179

■ 56.4918, 50.2139,
11.7929

■ 50.6119, 40.0042,
5.0540

■ 59.6552, 55.0692,
17.3839

■ 63.3854, 60.4603,
25.0066

■ 67.7210, 66.4098,
34.8421

■ 72.6964, 72.9384,
47.0513

78.3435, 80.0655,
61.7798

84.6913, 87.8094,
79.1615

91.7673, 96.1873,
99.3208

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



67.0774, 45.8669, 16.8340



53.8499, 45.8669, 8.0225



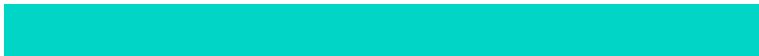
40.0228, 45.8669, 6.7642

Triad

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



53.8499, 45.8669, 8.0225



22.7776, 45.8669, 61.2215



61.5144, 45.8669, 133.0130

Complementary

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



53.8499, 45.8669, 8.0225



27.8704, 25.5617, 98.0721

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.



47.3739, 45.8669, 164.0238



53.8499, 45.8669, 8.0225



26.3535, 45.8669, 110.7504

Square

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



53.8499, 45.8669, 8.0225



23.8127, 45.8669, 27.2957



34.7326, 45.8669, 154.2755



72.0950, 45.8669, 82.5553

Rectangle

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



53.8499, 45.8669, 8.0225



32.5334, 45.8669, 9.0994



34.7326, 45.8669, 154.2755



56.9168, 45.8669, 146.9861

Sweetspot

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



53.8509, 45.8693, 8.0233



77.9332, 79.5559, 60.6829



46.7571, 24.6812, 27.2405



16.2430, 16.4806, 11.8313



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.



53.8509, 45.8693, 8.0233



50.6122, 40.0044, 5.0541



74.7950, 91.5987, 15.7461



18.8358, 19.6398, 18.9424



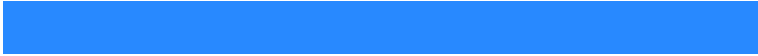
26.5973, 21.2058, 2.6913



2.6989, 2.2831, 0.2984

Inverse Universe

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



27.8704, 25.5617, 98.0721



24.1853, 19.4906, 97.0951



19.9891, 9.3463, 95.3576



17.6778, 18.7273, 22.9330



12.7817, 10.4730, 50.7824



1.3518, 1.2343, 4.9803

Previews

White Background



This preview shows how the XYZ color 53.8499, 45.8669, 8.0225 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 53.8499, 45.8669, 8.0225 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 53.8499, 45.8669, 8.0225

Background



This preview shows how black text looks on a background with the XYZ color 53.8499, 45.8669, 8.0225.



This preview shows how white text looks on a background with the XYZ color 53.8499, 45.8669,

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

53.8499, 45.8669, 8.0225

Protanopia

41.6456, 45.9415, 9.2574

Deuteranopia

47.0081, 46.1033, 7.7877



Tritanopia

58.6518, 45.9313, 39.0320

Trichromacy



Original Color

53.8499, 45.8669, 8.0225

Protanomaly

45.5224, 45.5986, 8.7850

Deuteranomaly

49.3820, 45.9359, 7.8539

Tritanomaly

55.9480, 45.6322, 22.3821

Monochromacy



Original Color

53.8499, 45.8669, 8.0225

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

42.3329, 42.1824, 25.3129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.8499, 45.8669, 8.0225 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, 158, 40)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 40)  
}
```

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, 158, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 40) }
```

Border

The CSS property to change the border of an element to XYZ 53.8499, 45.8669, 8.0225 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, 158, 40) }
```


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

```
.border{ border-color:rgb(255, 158, 40) }
```

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

Here you see how a box with a 4 pixel rgb(255, 158, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 40);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 53.8499, 45.8669, 8.0225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 158, 40) }
```

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

```
.background{ background-color: rgb(255,  
158, 40) }
```

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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