

Converting Colors

XYZ(53.6233, 45.8639, 8.3158)

Have a look what the booklet for
XYZ(53.6233, 45.8639, 8.3158)
contains.

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Color

**XYZ(53.5360, 45.6990,
8.2846)**

Conversions

Conversions Part 1

Format	Color
Hex	FE9E2B
RGB	254, 158, 43
RGB Percent	100%, 62%, 17%
CMY	0.0039, 0.3804, 0.8314
CMYK	0.00, 0.38, 0.83, 0.00
HSL	33°, 99%, 58%
HSV	33°, 83%, 100%
XYZ	53.5360, 45.6990, 8.2846
YIQ	173.5940, 94.1310, -15.4130

Conversions

Conversions Part 2

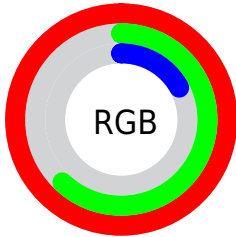
Format	Color
R _Y B	219, 254, 43
Decimal	16686635
CIE Lab	73.35, 27.80, 69.30
CIE LCh	73, 74.670, 68.144
Yxy	45.6990, 0.4979, 0.4250
Android (android.graphics.Color)	4294876715 (0xFFFE9E2B)
YUV	173.5940, -64.3828, 70.5161
Hunter-Lab	67.6010, 23.0596, 40.0547

Details

The XYZ color **53.5360, 45.6990, 8.2846** 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 **28.1177, 26.1335, 97.3276**, and the grayscale version is **40.3110, 42.4103, 46.1849**.

A 20% lighter version of the original color is **67.2864, 69.7494, 21.7210**, and **26.6399, 21.3844, 2.7235** is the 20% darker color. If you saturate the color by 10%, you get **51.3274, 41.8104, 5.9204**, and if you desaturate by 10%, it is **56.2215, 50.0789, 12.2367**.

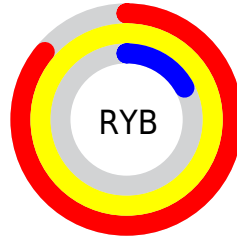
Distribution



Red (100%)

Green (62%)

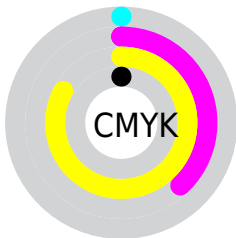
Blue (17%)



Red (86%)

Yellow (100%)

Blue (17%)

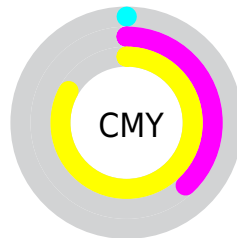


Cyan (0%)

Magenta (38%)

Yellow (83%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.5360, 45.6990, 8.2846 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 53.5360, 45.6990, 8.2846 by changing the saturation by 10% instead.


 53.5360, 45.6990,
8.2846


 53.5360, 45.6990,
8.2846


390.5654,
369.5972, 187.9647

 38.4600, 32.0084,
4.1872


 94.5535, 83.7683,
23.0698

 26.5187, 21.3679,
1.7286


 121.2258,
108.9158, 34.5948


 17.3468, 13.3932,
0.3802


 152.4941,
138.6511, 49.4326

 10.5789, 7.6998,
0.0000

 188.7240,
173.3585, 68.0019

 5.8496, 3.9035,
0.0000

 230.2807,
213.4224, 90.7213

 2.7937, 1.6197,
0.0000

 277.5296,

 1.0456, 0.3708,

259.2272, 118.0091

0.0000

330.8361,
311.1573, 150.2841

■ 0.0000, 0.0000,
0.0000

■ 53.5360, 45.6990,
8.2846

■ 53.5360, 45.6990,
8.2846

■ 51.3274, 41.8104,
5.9204

■ 56.2215, 50.0789,
12.2367

■ 50.0249, 39.3750,
4.9635

■ 59.4324, 54.9714,
18.0217

■ 63.2129, 60.4036,
25.8444

■ 67.6007, 66.3980,
35.8813

■ 72.6298, 72.9751,
48.2897

■ 78.3314, 80.1542,
63.2122

■ 84.7341, 87.9534,
80.7802

■ 91.8650, 96.3899,
101.1160

■ 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.



66.4885, 45.6990, 17.1130



53.5360, 45.6990, 8.2846



39.9540, 45.6990, 7.0038

Triad

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



53.5360, 45.6990, 8.2846



22.9190, 45.6990, 60.7280



60.9828, 45.6990, 131.1112

Complementary

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



53.5360, 45.6990, 8.2846



28.1177, 26.1335, 97.3276

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.



47.1136, 45.6990, 161.2471



53.5360, 45.6990, 8.2846



26.4419, 45.6990, 109.1612

Square

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



53.5360, 45.6990, 8.2846



23.9536, 45.6990, 27.3905



34.6928, 45.6990, 151.6529



71.3563, 45.6990, 81.8473

Rectangle

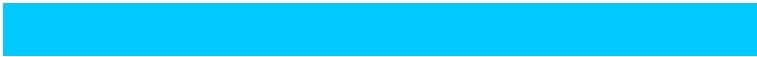
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.5360, 45.6990, 8.2846



32.5753, 45.6990, 9.3417



34.6928, 45.6990, 151.6529



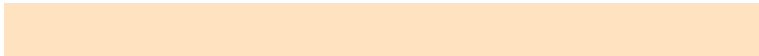
56.4753, 45.6990, 144.7110

Sweetspot

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



53.5370, 45.7014, 8.2854



77.8671, 79.4237, 60.6609



46.5795, 24.7358, 27.7019



16.2273, 16.4491, 11.8260



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.



53.5370, 45.7014, 8.2854



50.4709, 39.7218, 5.0070



74.2235, 90.8256, 15.9050



18.8299, 19.6279, 18.9405



26.5234, 21.0581, 2.6667



2.6917, 2.2689, 0.2961

Inverse Universe

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



28.1177, 26.1335, 97.3276



24.2968, 19.7135, 97.1323



20.0705, 9.5628, 94.5533



17.6837, 18.7391, 22.9349



12.8404, 10.5904, 50.8020



1.3578, 1.2462, 4.9823

Previews

White Background



This preview shows how the XYZ color 53.5360, 45.6990, 8.2846 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 53.5360, 45.6990, 8.2846 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 53.5360, 45.6990, 8.2846

Background



This preview shows how black text looks on a background with the XYZ color 53.5360, 45.6990, 8.2846.



This preview shows how white text looks on a background with the XYZ color 53.5360, 45.6990,

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

53.5360, 45.6990, 8.2846

Protanopia

41.7069, 45.9660, 9.5799

Deuteranopia

46.8763, 45.7472, 8.0285



Tritanopia

58.4915, 45.6108, 38.9786

Trichromacy



Original Color

53.5360, 45.6990, 8.2846

Protanomaly

45.5809, 45.6220, 9.0929

Deuteranomaly

48.9275, 45.4234, 8.1083

Tritanomaly

55.8421, 45.3268, 22.6354

Monochromacy



Original Color

53.5360, 45.6990, 8.2846

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

42.3971, 42.2081, 25.6511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.5360, 45.6990, 8.2846 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, 158, 43)` looks like.

```
.text, #text, p{  
    color:rgb(254, 158, 43)  
}
```

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, 158, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 158, 43) }
```

Border

The CSS property to change the border of an element to XYZ 53.5360, 45.6990, 8.2846 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, 158, 43) }
```


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

```
.border{ border-color:rgb(254, 158, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 158, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 158, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 158, 43);  
box-shadow:4px 4px 4px 4px rgb(254, 158,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 53.5360, 45.6990, 8.2846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 158, 43) }
```

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

```
.background{ background-color: rgb(254,  
158, 43) }
```

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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