

Converting Colors

XYZ(53.8716, 45.7334, 8.5754)

Have a look what the booklet for
XYZ(53.8716, 45.7334, 8.5754)
contains.

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Color

**XYZ(53.7901, 45.5712,
8.5458)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9D2E
RGB	255, 157, 46
RGB Percent	100%, 62%, 18%
CMY	0.0000, 0.3843, 0.8196
CMYK	0.00, 0.38, 0.82, 0.00
HSL	32°, 100%, 59%
HSV	32°, 82%, 100%
XYZ	53.7901, 45.5712, 8.5458
YIQ	173.6480, 94.0390, -13.7450

Conversions

Conversions Part 2

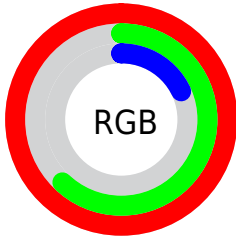
Format	Color
R _Y B	231, 255, 46
Decimal	16751918
CIE Lab	73.27, 28.81, 68.28
CIE LCh	73, 74.107, 67.123
Yxy	45.5712, 0.4985, 0.4223
Android (android.graphics.Color)	4294941998 (0xFFFF9D2E)
YUV	173.6480, -62.9305, 71.3457
Hunter-Lab	67.5064, 24.0951, 39.7488

Details

The XYZ color **53.7901, 45.5712, 8.5458** 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 **29.1493, 27.7460, 98.4262**, and the grayscale version is **40.3316, 42.4319, 46.2084**.

A 20% lighter version of the original color is **67.1818, 69.3063, 22.4070**, and **26.7898, 21.3096, 2.7012** is the 20% darker color. If you saturate the color by 10%, you get **51.5037, 41.5786, 5.9965**, and if you desaturate by 10%, it is **56.5744, 50.0836, 12.7316**.

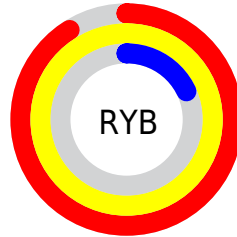
Distribution



Red (100%)

Green (62%)

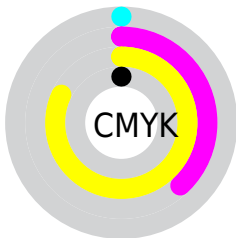
Blue (18%)



Red (91%)

Yellow (100%)

Blue (18%)

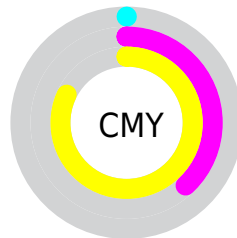


Cyan (0%)

Magenta (38%)

Yellow (82%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.7901, 45.5712, 8.5458 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 53.7901, 45.5712, 8.5458 by changing the saturation by 10% instead.


 53.7901, 45.5712,
8.5458


 53.7901, 45.5712,
8.5458


391.5205,
369.0820, 190.0441


 38.6639, 31.9076,
4.3534


 94.9247, 83.5769,
23.5853


 26.6779, 21.2909,
1.8211


 121.6638,
108.6878, 35.2694


 17.4668, 13.3368,
0.4419


 153.0045,
138.3832, 50.2879

 10.6652, 7.6609,
0.0000

 189.3122,
173.0475, 69.0592

 5.9078, 3.8787,
0.0000

 230.9524,
213.0652, 92.0020

 2.8292, 1.6060,
0.0000

 278.2902,

 1.0641, 0.3616,

258.8205, 119.5347

0.0000

331.6911,
310.6980, 152.0759

■ 0.0000, 0.0000,
0.0000

■ 53.7901, 45.5712,
8.5458

■ 53.7901, 45.5712,
8.5458

■ 51.5037, 41.5786,
5.9965

■ 56.5744, 50.0836,
12.7316

■ 49.9648, 38.7102,
4.8384

■ 59.9051, 55.1381,
18.7955

■ 63.8263, 60.7626,
26.9407

■ 68.3764, 66.9804,
37.3430

■ 73.5896, 73.8131,
50.1597

■ 79.4975, 81.2807,
65.5335

■ 86.1293, 89.4024,
83.5962

■ 93.5124, 98.1961,
104.4701

■ 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.



66.4904, 45.5712, 17.7145



53.7901, 45.5712, 8.5458



40.2843, 45.5712, 7.0664

Triad

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



53.7901, 45.5712, 8.5458



22.9241, 45.5712, 59.0479



60.2421, 45.5712, 131.5178

Complementary

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



53.7901, 45.5712, 8.5458



29.1493, 27.7460, 98.4262

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.



46.4920, 45.5712, 160.1340



53.7901, 45.5712, 8.5458



26.2666, 45.5712, 106.6652

Square

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



53.7901, 45.5712, 8.5458



24.1055, 45.5712, 26.6454



34.2950, 45.5712, 149.2842



70.7060, 45.5712, 83.0247

Rectangle

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



53.7901, 45.5712, 8.5458



32.8769, 45.5712, 9.2594



34.2950, 45.5712, 149.2842



55.7549, 45.5712, 144.6562

Sweetspot

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



53.7911, 45.5736, 8.5466



77.6264, 78.9423, 60.5806



47.4847, 25.3213, 29.9960



16.1699, 16.3344, 11.8069



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.



53.7911, 45.5736, 8.5466



50.3320, 39.3992, 5.0985



76.2227, 92.3219, 16.3877



18.8082, 19.5845, 18.9332



26.2588, 20.5289, 2.5785



2.6662, 2.2177, 0.2875

Inverse Universe

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



29.1493, 27.7460, 98.4262



25.1066, 21.2385, 97.3839



20.3172, 9.8394, 95.4353



17.7052, 18.7820, 22.9421



13.0600, 11.0296, 50.8752



1.3798, 1.2903, 4.9896

Previews

White Background



This preview shows how the XYZ color 53.7901, 45.5712, 8.5458 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 53.7901, 45.5712, 8.5458 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 53.7901, 45.5712, 8.5458

Background



This preview shows how black text looks on a background with the XYZ color 53.7901, 45.5712, 8.5458.



This preview shows how white text looks on a background with the XYZ color 53.7901, 45.5712,

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

53.7901, 45.5712, 8.5458

Protanopia

41.5008, 45.8522, 9.9119

Deuteranopia

46.6245, 45.6099, 8.3537



Tritanopia

58.4044, 45.5759, 38.5197

Trichromacy



Original Color

53.7901, 45.5712, 8.5458

Protanomaly

45.1470, 45.1075, 9.3447

Deuteranomaly

48.9792, 45.4441, 8.3806

Tritanomaly

55.9012, 45.3505, 22.9467

Monochromacy



Original Color

53.7901, 45.5712, 8.5458

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

42.4620, 42.2341, 25.9927

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.7901, 45.5712, 8.5458 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, 157, 46)` looks like.

```
.text, #text, p{  
    color:rgb(255, 157, 46)  
}
```

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, 157, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 157, 46) }
```

Border

The CSS property to change the border of an element to XYZ 53.7901, 45.5712, 8.5458 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, 157, 46) }
```


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

```
.border{ border-color:rgb(255, 157, 46) }
```

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

Here you see how a box with a 4 pixel rgb(255, 157, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 157, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 157, 46);  
box-shadow:4px 4px 4px 4px rgb(255, 157,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 53.7901, 45.5712, 8.5458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 157, 46) }
```

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

```
.background{ background-color: rgb(255,  
157, 46) }
```

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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