

Converting Colors

XYZ(59.7898, 47.8630, 8.4148)

Have a look what the booklet for
XYZ(59.7898, 47.8630, 8.4148)
contains.

XYZ(53.2316, 44.5456, 8.0781)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(53.2316, 44.5456,
8.0781)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9A2B
RGB	255, 154, 43
RGB Percent	100%, 60%, 17%
CMY	0.0000, 0.3960, 0.8314
CMYK	0.00, 0.40, 0.83, 0.00
HSL	31°, 100%, 58%
HSV	31°, 83%, 100%
XYZ	53.2316, 44.5456, 8.0781
YIQ	171.5450, 95.8270, -13.1090

Conversions

Conversions Part 2

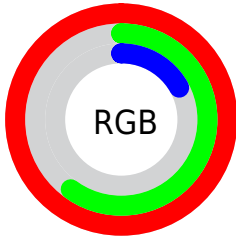
Format	Color
R _Y B	236, 255, 43
Decimal	16751147
CIE Lab	72.59, 30.28, 68.71
CIE LCh	73, 75.083, 66.215
Yxy	44.5456, 0.5029, 0.4208
Android (android.graphics.Color)	4294941227 (0xFFFF9A2B)
YUV	171.5450, -63.3727, 73.1900
Hunter-Lab	66.7425, 25.5663, 39.5436

Details

The XYZ color **53.2316, 44.5456, 8.0781** 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 **29.0190, 27.6790, 98.4200**, and the grayscale version is **39.2601, 41.3047, 44.9808**.

A 20% lighter version of the original color is **66.2926, 67.7618, 21.3897**, and **26.4896, 20.7092, 2.6011** is the 20% darker color. If you saturate the color by 10%, you get **50.9969, 40.6061, 5.7012**, and if you desaturate by 10%, it is **55.9630, 49.0123, 12.0607**.

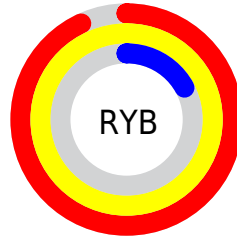
Distribution



Red (100%)

Green (60%)

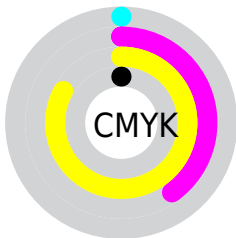
Blue (17%)



Red (93%)

Yellow (100%)

Blue (17%)

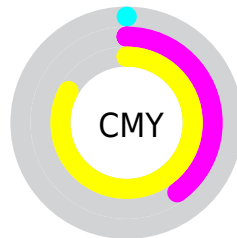


Cyan (0%)

Magenta (40%)

Yellow (83%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.2316, 44.5456, 8.0781 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 53.2316, 44.5456, 8.0781 by changing the saturation by 10% instead.


 53.2316, 44.5456,
8.0781

 53.2316, 44.5456,
8.0781


389.4194,
364.9301, 186.3007

 38.2159, 31.0997,
4.0565


 94.1086, 82.0381,
22.6601

 26.3283, 20.6748,
1.6564


 120.7006,
106.8535, 34.0576

 17.2034, 12.8865,
0.3306


 151.8821,
136.2274, 48.7507

 10.4758, 7.3504,
0.0000

 188.0185,
170.5444, 67.1581

 5.7802, 3.6822,
0.0000

 229.4750,
210.1888, 89.6982

 2.7513, 1.4974,
0.0000

 276.6171,

 1.0236, 0.2869,

255.5449, 116.7897

0.0000

329.8101,
306.9972, 148.8510

■ 0.0000, 0.0000,
0.0000

■ 53.2316, 44.5456,
8.0781

■ 53.2316, 44.5456,
8.0781

■ 50.9969, 40.6061,
5.7012

■ 55.9630, 49.0123,
12.0607

■ 49.6986, 38.1778,
4.7496

■ 59.2410, 54.0296,
17.8972

■ 63.1111, 59.6265,
25.7948

■ 67.6121, 65.8269,
35.9322

■ 72.7791, 72.6532,
48.4684

78.6442, 80.1260,
63.5479

85.2370, 88.2650,
81.3036

92.5854, 97.0887,
101.8591

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



65.8545, 44.5456, 17.3288



53.2316, 44.5456, 8.0781



39.6927, 44.5456, 6.4844

Triad

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



53.2316, 44.5456, 8.0781



22.0482, 44.5456, 56.6651



58.8751, 44.5456, 132.1217

Complementary

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



53.2316, 44.5456, 8.0781



29.0190, 27.6790, 98.4200

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.



45.1009, 44.5456, 160.0146



53.2316, 44.5456, 8.0781



25.2170, 44.5456, 104.2217

Square

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



53.2316, 44.5456, 8.0781



23.3511, 44.5456, 24.9967



33.0444, 44.5456, 147.8073



69.5511, 44.5456, 83.4462

Rectangle

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



53.2316, 44.5456, 8.0781



32.2375, 44.5456, 8.4723



33.0444, 44.5456, 147.8073



54.3575, 44.5456, 145.1294

Sweetspot

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



53.2326, 44.5479, 8.0789



77.4969, 78.6833, 60.5375



47.2507, 25.0467, 29.3220



16.1391, 16.2727, 11.7967



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.



53.2326, 44.5479, 8.0789



49.6990, 38.1781, 4.7497



76.1475, 92.2896, 16.0862



18.7965, 19.5611, 18.9293



26.1195, 20.2502, 2.5320



2.6526, 2.1906, 0.2830

Inverse Universe

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



29.0190, 27.6790, 98.4200



24.9457, 21.0114, 97.3486



20.0650, 9.5415, 95.3910



17.7168, 18.8053, 22.9460



13.1819, 11.2735, 50.9158



1.3920, 1.3147, 4.9937

Previews

White Background



This preview shows how the XYZ color 53.2316, 44.5456, 8.0781 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 53.2316, 44.5456, 8.0781 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 53.2316, 44.5456, 8.0781

Background



This preview shows how black text looks on a background with the XYZ color 53.2316, 44.5456, 8.0781.



This preview shows how white text looks on a background with the XYZ color 53.2316, 44.5456,

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

53.2316, 44.5456, 8.0781

Protanopia

40.4939, 44.7413, 9.4074

Deuteranopia

45.5427, 44.5048, 7.7800



Tritanopia

57.6745, 44.5277, 37.0074

Trichromacy



Original Color

53.2316, 44.5456, 8.0781

Protanomaly

44.4030, 44.1703, 8.8748

Deuteranomaly

48.2174, 44.5237, 7.8863

Tritanomaly

55.2409, 44.3105, 21.8609

Monochromacy



Original Color

53.2316, 44.5456, 8.0781

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

41.5139, 40.9475, 25.1177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.2316, 44.5456, 8.0781 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, 154, 43)` looks like.

```
.text, #text, p{  
    color:rgb(255, 154, 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(255, 154, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 154, 43) }
```

Border

The CSS property to change the border of an element to XYZ 53.2316, 44.5456, 8.0781 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, 154, 43) }
```


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

```
.border{ border-color:rgb(255, 154, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 154, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 154, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 154, 43);  
box-shadow:4px 4px 4px 4px rgb(255, 154,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 53.2316, 44.5456, 8.0781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 154, 43) }
```

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

```
.background{ background-color: rgb(255,  
154, 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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