

Converting Colors

XYZ(53.3493, 43.3627, 12.4893)

Have a look what the booklet for
XYZ(53.3493, 43.3627, 12.4893)
contains.

XYZ(53.3270, 43.2907, 12.5665)	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(53.3270, 43.2907,
12.5665)**

Conversions

Conversions Part 1

Format	Color
Hex	FF954D
RGB	255, 149, 77
RGB Percent	100%, 58%, 30%
CMY	0.0000, 0.4157, 0.6980
CMYK	0.00, 0.42, 0.70, 0.00
HSL	24°, 100%, 65%
HSV	24°, 70%, 100%
XYZ	53.3270, 43.2907, 12.5665
YIQ	172.4860, 86.2880, 0.0800

Conversions

Conversions Part 2

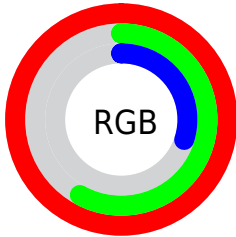
Format	Color
R_{YB}	255, 198, 77
Decimal	16749901
CIE _{Lab}	71.75, 34.15, 53.92
CIE _{LCh}	72, 63.824, 57.654
Yxy	43.2907, 0.4884, 0.3965
Android (android.graphics.Color)	4294939981 (0xFFFF954D)
YUV	172.4860, -47.0746, 72.3648
Hunter-Lab	65.7957, 29.5308, 34.7330

Details

The XYZ color **53.3270, 43.2907, 12.5665** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **38.0429, 42.6624, 100.8367**, and the grayscale version is **39.6611, 41.7266, 45.4402**.

A 20% lighter version of the original color is **66.7953, 66.0307, 29.9936**, and **26.4425, 19.9570, 3.3781** is the 20% darker color. If you saturate the color by 10%, you get **50.3491, 38.5046, 7.9688**, and if you desaturate by 10%, it is **56.9728, 48.8488, 19.1273**.

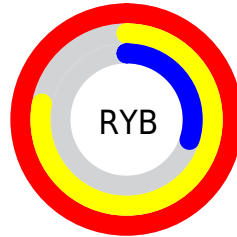
Distribution



Red (100%)

Green (58%)

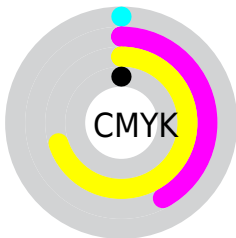
Blue (30%)



Red (100%)

Yellow (78%)

Blue (30%)

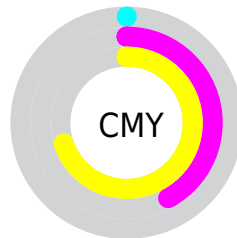


Cyan (0%)

Magenta (42%)

Yellow (70%)

Black (0%)



Cyan (0%)


Magenta (42%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.3270, 43.2907, 12.5665 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 53.3270, 43.2907, 12.5665 by changing the saturation by 10% instead.


 53.3270, 43.2907,
12.5665

 53.3270, 43.2907,
12.5665


389.7788,
359.8059, 219.2298

 38.2924, 30.1133,
7.0035


 94.2481, 80.1494,
31.2024

 26.3880, 19.9246,
3.3858


 120.8652,
104.5994, 45.1125

 17.2483, 12.3402,
1.2949


 152.0740,
133.5757, 62.6420

 10.5081, 6.9758,
0.0576

 188.2397,
167.4627, 84.2094

 5.8019, 3.4470,
0.0000

 229.7276,
206.6449, 110.2334

 2.7645, 1.3693,
0.0000

276.9032,

 1.0305, 0.1939,

251.5065, 141.1324

0.0000

330.1318,
302.4321, 177.3250

■ 0.0000, 0.0000,
0.0000

■ 53.3270, 43.2907,
12.5665

■ 53.3270, 43.2907,
12.5665

■ 50.3491, 38.5046,
7.9688

■ 56.9728, 48.8488,
19.1273

■ 47.9801, 34.4422,
5.0966

■ 61.3318, 55.2097,
27.8468


■ 46.1380, 31.0521,
3.5763

■ 66.4479, 62.4101,
38.8990

■ 46.1054, 30.9912,
3.5519

■ 72.3603, 70.4821,
52.4395

■ 79.1053, 79.4560,
68.6101

 86.7166, 89.3605,
87.5421

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.



62.4912, 43.2907, 24.5162



53.3270, 43.2907, 12.5665



42.0049, 43.2907, 9.1258

Triad

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



53.3270, 43.2907, 12.5665



23.6464, 43.2907, 44.7367



51.5910, 43.2907, 122.1776

Complementary

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



53.3270, 43.2907, 12.5665



38.0429, 42.6624, 100.8367

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.



40.2999, 43.2907, 135.3917



53.3270, 43.2907, 12.5665



25.3170, 43.2907, 80.5984

Square

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



53.3270, 43.2907, 12.5665



25.9387, 43.2907, 21.8818



30.9782, 43.2907, 117.6285



61.3716, 43.2907, 86.7975

Rectangle

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



53.3270, 43.2907, 12.5665



35.1473, 43.2907, 10.0809



30.9782, 43.2907, 117.6285



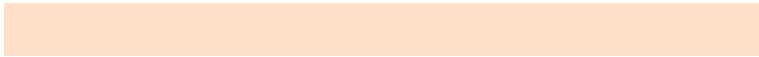
47.7923, 43.2907, 129.8919

Sweetspot

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



53.3280, 43.2930, 12.5673



78.2534, 78.3338, 66.5318



52.5246, 30.0203, 48.2640



16.3387, 16.2232, 13.2463



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.



53.3280, 43.2930, 12.5673



49.2844, 36.7140, 6.5685



72.9214, 82.4797, 19.0984



18.6126, 19.1933, 18.8680



24.2284, 16.4680, 1.9017



2.4629, 1.8111, 0.2198

Inverse Universe

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



38.0429, 42.6624, 100.8367



33.0238, 35.8218, 99.7815



25.1850, 16.9466, 96.5508



17.9025, 19.1766, 23.0078



15.4357, 15.7810, 51.6671



1.6102, 1.7511, 5.0664

Previews

White Background



This preview shows how the XYZ color 53.3270, 43.2907, 12.5665 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 53.3270, 43.2907, 12.5665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

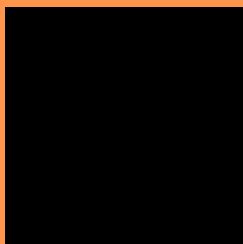
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.3270, 43.2907, 12.5665

Background



This preview shows how black text looks on a background with the XYZ color 53.3270, 43.2907, 12.5665.



This preview shows how white text looks on a background with the XYZ color 53.3270, 43.2907,

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

53.3270, 43.2907, 12.5665

Protanopia

39.6707, 43.3086, 14.8629

Deuteranopia

44.3857, 43.5332, 12.1943



Tritanopia

56.8122, 43.2048, 35.4820

Trichromacy



Original Color

53.3270, 43.2907, 12.5665

Protanomaly

43.7745, 42.6333, 13.9045

Deuteranomaly

47.2596, 43.1400, 12.3146

Tritanomaly

55.0671, 42.9915, 24.7979

Monochromacy



Original Color

53.3270, 43.2907, 12.5665

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

42.1479, 40.9136, 29.3426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.3270, 43.2907, 12.5665 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, 149, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 149, 77)  
}
```

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, 149, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 149, 77) }
```

Border

The CSS property to change the border of an element to XYZ 53.3270, 43.2907, 12.5665 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, 149, 77) }
```


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

```
.border{ border-color:rgb(255, 149, 77) }
```

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

Here you see how a box with a 4 pixel rgb(255, 149, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 149, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 149, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 149,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 53.3270, 43.2907, 12.5665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 149, 77) }
```

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

```
.background{ background-color: rgb(255,  
149, 77) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor