

Converting Colors

XYZ(97.6704, 66.0988, 17.5133)

Have a look what the booklet for
XYZ(97.6704, 66.0988, 17.5133)
contains.

XYZ(53.8758, 43.5102, 15.4563)	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(53.8758, 43.5102,
15.4563)**

Conversions

Conversions Part 1

Format	Color
Hex	FF955B
RGB	255, 149, 91
RGB Percent	100%, 58%, 36%
CMY	0.0000, 0.4157, 0.6431
CMYK	0.00, 0.42, 0.64, 0.00
HSL	21°, 100%, 68%
HSV	21°, 64%, 100%
XYZ	53.8758, 43.5102, 15.4563
YIQ	174.0820, 81.7940, 4.4340

Conversions

Conversions Part 2

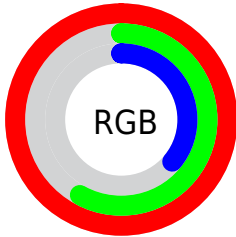
Format	Color
R_{YB}	255, 181, 91
Decimal	16749915
CIE _{Lab}	71.90, 34.92, 47.22
CIE _{LCh}	72, 58.730, 53.518
Yxy	43.5102, 0.4774, 0.3856
Android (android.graphics.Color)	4294939995 (0xFFFF955B)
YUV	174.0820, -40.9594, 70.9651
Hunter-Lab	65.9623, 30.3590, 32.2807

Details

The XYZ color **53.8758, 43.5102, 15.4563** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **42.3294, 49.3740, 101.9064**, and the grayscale version is **40.4499, 42.5564, 46.3439**.

A 20% lighter version of the original color is **67.7908, 66.4289, 35.2357**, and **26.6849, 20.0540, 4.6548** is the 20% darker color. If you saturate the color by 10%, you get **50.5314, 38.2931, 9.8056**, and if you desaturate by 10%, it is **57.9648, 49.6192, 23.1989**.

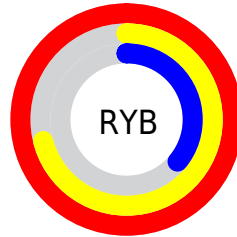
Distribution



Red (100%)

Green (58%)

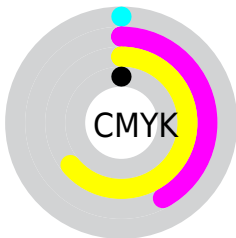
Blue (36%)



Red (100%)

Yellow (71%)

Blue (36%)

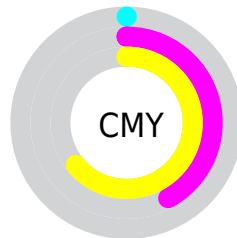


Cyan (0%)

Magenta (42%)

Yellow (64%)

Black (0%)



Cyan (0%)


Magenta (42%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.8758, 43.5102, 15.4563 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 53.8758, 43.5102, 15.4563 by changing the saturation by 10% instead.


 53.8758, 43.5102,
15.4563


 53.8758, 43.5102,
15.4563


391.8423,
360.7058, 237.8469


 38.7326, 30.2856,
8.9901

 95.0498, 80.4802,
36.4053


 26.7316, 20.0555,
4.6380


 121.8114,
104.9944, 51.7251

 17.5073, 12.4354,
1.9815


 153.1765,
134.0407, 70.8332

 10.6944, 7.0409,
0.5438

 189.5105,
168.0033, 94.1481

 5.9275, 3.4877,
0.0000

231.1787,
207.2667, 122.0884

 2.8413, 1.3913,
0.0000

278.5465,

 1.0704, 0.2103,

252.2154, 155.0726

0.0000

331.9793,
303.2336, 193.5192

■ 0.0001, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 53.8758, 43.5102,
15.4563

■ 53.8758, 43.5102,
15.4563

■ 50.5314, 38.2931,
9.8056

■ 57.9648, 49.6192,
23.1989

■ 47.8735, 33.9145,
6.0306

■ 62.8440, 56.6560,
33.2154

■ 45.8381, 30.3241,
3.8708

■ 68.5583, 64.6624,
45.6706

■ 44.9122, 28.6047,
3.1541

■ 75.1483, 73.6755,
60.7131

82.6515, 83.7302,
78.4797

91.1032, 94.8598,
99.0973

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



61.6141, 43.5102, 28.6211



53.8758, 43.5102, 15.4563



43.5645, 43.5102, 11.0175

Triad

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



53.8758, 43.5102, 15.4563



25.0388, 43.5102, 41.4252



49.5134, 43.5102, 117.9478

Complementary

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



53.8758, 43.5102, 15.4563



42.3294, 49.3740, 101.9064

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.



39.2217, 43.5102, 125.8759



53.8758, 43.5102, 15.4563



26.1089, 43.5102, 72.9262

Square

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



53.8758, 43.5102, 15.4563



27.7396, 43.5102, 21.5937



30.9422, 43.5102, 106.8904



58.8250, 43.5102, 88.2475

Rectangle

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



53.8758, 43.5102, 15.4563



37.0209, 43.5102, 11.4673



30.9422, 43.5102, 106.8904



46.0152, 43.5102, 123.6379

Sweetspot

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



53.8768, 43.5125, 15.4571



79.0190, 78.8860, 69.8052



55.1280, 32.8012, 56.6104



16.4604, 16.2766, 13.8728



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.



53.8768, 43.5125, 15.4571



49.7524, 37.0362, 8.6167



71.5364, 78.8317, 21.3436



18.5350, 19.0381, 18.8422



23.5945, 15.2002, 1.6904



2.3956, 1.6766, 0.1974

Inverse Universe

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



42.3294, 49.3740, 101.9064



37.2976, 43.0684, 100.9550



28.5640, 21.8433, 97.3180



17.9826, 19.3368, 23.0345



16.5898, 18.0892, 52.0518



1.7183, 1.9672, 5.1024

Previews

White Background



This preview shows how the XYZ color 53.8758, 43.5102, 15.4563 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 53.8758, 43.5102, 15.4563 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 53.8758, 43.5102, 15.4563

Background



This preview shows how black text looks on a background with the XYZ color 53.8758, 43.5102, 15.4563.



This preview shows how white text looks on a background with the XYZ color 53.8758, 43.5102,

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

53.8758, 43.5102, 15.4563

Protanopia

40.3192, 43.8532, 18.6514

Deuteranopia

44.6364, 43.5988, 15.0796



Tritanopia

56.9630, 43.5064, 35.5323

Trichromacy



Original Color

53.8758, 43.5102, 15.4563

Protanomaly

44.2953, 43.0994, 17.2937

Deuteranomaly

47.4613, 43.1832, 15.0662

Tritanomaly

55.5481, 43.4295, 26.5741

Monochromacy



Original Color

53.8758, 43.5102, 15.4563

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

43.1178, 41.6204, 32.1465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.8758, 43.5102, 15.4563 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, 91)` looks like.

```
.text, #text, p{  
    color:rgb(255, 149, 91)  
}
```

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, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 149, 91) }
```

Border

The CSS property to change the border of an element to XYZ 53.8758, 43.5102, 15.4563 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, 91) }
```


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

```
.border{ border-color:rgb(255, 149, 91) }
```

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, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 149, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 149, 91);  
box-shadow:4px 4px 4px 4px rgb(255, 149,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 53.8758, 43.5102, 15.4563 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, 91) }
```

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

```
.background{ background-color: rgb(255,  
149, 91) }
```

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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