

Converting Colors

XYZ(53.5718, 43.7842, 12.6365)

Have a look what the booklet for
XYZ(53.5718, 43.7842, 12.6365)
contains.

XYZ(53.6462, 43.9290, 12.6729)	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(53.6462, 43.9290,
12.6729)**

Conversions

Conversions Part 1

Format	Color
Hex	FF974D
RGB	255, 151, 77
RGB Percent	100%, 59%, 30%
CMY	0.0000, 0.4078, 0.6980
CMYK	0.00, 0.41, 0.70, 0.00
HSL	25°, 100%, 65%
HSV	25°, 70%, 100%
XYZ	53.6462, 43.9290, 12.6729
YIQ	173.6600, 85.7380, -0.9660

Conversions

Conversions Part 2

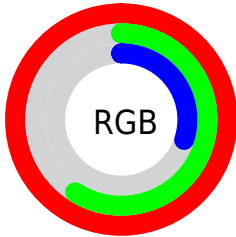
Format	Color
R _Y B	255, 204, 77
Decimal	16750413
CIE Lab	72.18, 33.12, 54.39
CIE LCh	72, 63.677, 58.661
Yxy	43.9290, 0.4866, 0.3985
Android (android.graphics.Color)	4294940493 (0xFFFF974D)
YUV	173.6600, -47.6534, 71.3352
Hunter-Lab	66.2790, 28.4898, 35.0587

Details

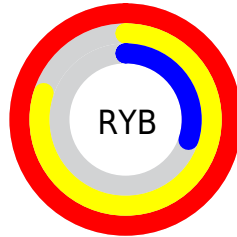
The XYZ color **53.6462, 43.9290, 12.6729** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **37.6335, 41.8434, 100.7004**, and the grayscale version is **40.2647, 42.3615, 46.1317**.

A 20% lighter version of the original color is **67.2738, 66.9876, 30.1531**, and **26.6296, 20.3313, 3.4405** is the 20% darker color. If you saturate the color by 10%, you get **50.6680, 39.1425, 8.0751**, and if you desaturate by 10%, it is **57.2821, 49.4672, 19.2304**.

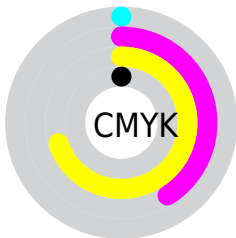
Distribution



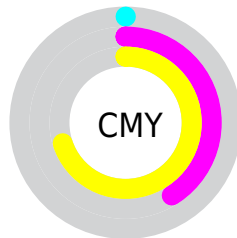
- Red (100%)
- Green (59%)
- Blue (30%)



- Red (100%)
- Yellow (80%)
- Blue (30%)



- Cyan (0%)
- Magenta (41%)
- Yellow (70%)
- Black (0%)





- Cyan (0%)
- Magenta (41%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.6462, 43.9290, 12.6729 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 53.6462, 43.9290, 12.6729 by changing the saturation by 10% instead.


 53.6462, 43.9290,
12.6729


 53.6462, 43.9290,
12.6729


390.9798,
362.4185, 219.9443


 38.5484, 30.6147,
7.0756


 94.7145, 81.1109,
31.3974

 26.5878, 20.3056,
3.4303


 121.4158,
105.7473, 45.3617


 17.3988, 12.6174,
1.3183


 152.7155,
134.9265, 62.9521

 10.6163, 7.1656,
0.0767

 188.9792,
169.0329, 84.5871

 5.8748, 3.5659,
0.0000

 230.5721,
208.4509, 110.6853

 2.8091, 1.4338,
0.0000

277.8596,

 1.0536, 0.2415,

253.5649, 141.6652

0.0000

331.2071,
304.7593, 177.9453

■ 0.0000, 0.0000,
0.0000

■ 53.6462, 43.9290,
12.6729

■ 53.6462, 43.9290,
12.6729

■ 50.6680, 39.1425,
8.0751

■ 57.2821, 49.4672,
19.2304

■ 48.2894, 35.0606,
5.1997

■ 61.6201, 55.7862,
27.9430


■ 46.4289, 31.6338,
3.6733

■ 66.7037, 62.9216,
38.9844

■ 46.3959, 31.5720,
3.6487

■ 72.5715, 70.9043,
52.5100

■ 79.2590, 79.7633,
68.6615

 86.7996, 89.5262,
87.5699

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.



63.0066, 43.9290, 24.4088



53.6462, 43.9290, 12.6729



42.2456, 43.9290, 9.3946

Triad

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



53.6462, 43.9290, 12.6729



24.0915, 43.9290, 46.4403



52.6485, 43.9290, 122.3223

Complementary

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



53.6462, 43.9290, 12.6729



37.6335, 41.8434, 100.7004

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.



41.2647, 43.9290, 136.5833



53.6462, 43.9290, 12.6729



25.9137, 43.9290, 82.8345

Square

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



53.6462, 43.9290, 12.6729



26.2722, 43.9290, 22.8879



31.7622, 43.9290, 119.7143



62.3635, 43.9290, 86.3926

Rectangle

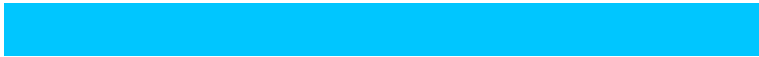
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.6462, 43.9290, 12.6729



35.3922, 43.9290, 10.4971



31.7622, 43.9290, 119.7143



48.8340, 43.9290, 130.3543

Sweetspot

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



53.6472, 43.9313, 12.6737



78.4145, 78.6561, 66.5855



52.5247, 30.0203, 48.2641



16.3767, 16.2993, 13.2590



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.



53.6472, 43.9313, 12.6737



49.6003, 37.3459, 6.6738



72.9215, 82.4799, 19.0985



18.6298, 19.2278, 18.8738



24.3821, 16.7753, 1.9529



2.4788, 1.8430, 0.2251

Inverse Universe

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



37.6335, 41.8434, 100.7004



32.5824, 34.9391, 99.6344



25.1851, 16.9467, 96.5509



17.8848, 19.1413, 23.0020



15.1965, 15.3026, 51.5873



1.5875, 1.7058, 5.0588

Previews

White Background



This preview shows how the XYZ color 53.6462, 43.9290, 12.6729 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 53.6462, 43.9290, 12.6729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

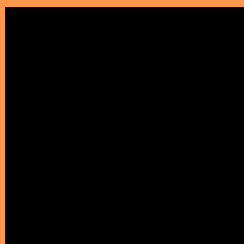
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.6462, 43.9290, 12.6729

Background



This preview shows how black text looks on a background with the XYZ color 53.6462, 43.9290, 12.6729.



This preview shows how white text looks on a background with the XYZ color 53.6462, 43.9290,

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

53.6462, 43.9290, 12.6729

Protanopia

40.3250, 44.2324, 15.0067

Deuteranopia

44.8729, 44.0595, 12.2702



Tritanopia

57.2818, 43.8774, 36.4604

Trichromacy



Original Color

53.6462, 43.9290, 12.6729

Protanomaly

44.1409, 43.3662, 14.0267

Deuteranomaly

47.7606, 43.6587, 12.3883

Tritanomaly

55.5045, 43.6597, 25.5804

Monochromacy



Original Color

53.6462, 43.9290, 12.6729

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

42.9250, 41.8330, 30.2383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.6462, 43.9290, 12.6729 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, 151, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 151, 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, 151, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 151, 77) }
```

Border

The CSS property to change the border of an element to XYZ 53.6462, 43.9290, 12.6729 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, 151, 77) }
```


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

```
.border{ border-color:rgb(255, 151, 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, 151, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 151, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 151, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 151,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 53.6462, 43.9290, 12.6729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 151, 77) }
```

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

```
.background{ background-color: rgb(255,  
151, 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