

Converting Colors

XYZ(75.3733, 54.3773, 13.7271)

Have a look what the booklet for
XYZ(75.3733, 54.3773, 13.7271)
contains.

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Color

**XYZ(53.2051, 42.9899,
12.7014)**

Conversions

Conversions Part 1

Format	Color
Hex	FF944E
RGB	255, 148, 78
RGB Percent	100%, 58%, 31%
CMY	0.0000, 0.4196, 0.6941
CMYK	0.00, 0.42, 0.69, 0.00
HSL	24°, 100%, 65%
HSV	24°, 69%, 100%
XYZ	53.2051, 42.9899, 12.7014
YIQ	172.0130, 86.2420, 0.9140

Conversions

Conversions Part 2

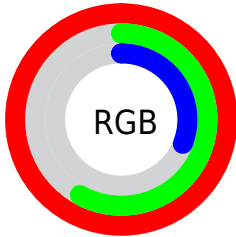
Format	Color
R_{YB}	255, 194, 78
Decimal	16749646
CIE Lab	71.55, 34.71, 53.22
CIE LCh	72, 63.541, 56.888
Yxy	42.9899, 0.4886, 0.3948
Android (android.graphics.Color)	4294939726 (0xFFFF944E)
YUV	172.0130, -46.3484, 72.7796
Hunter-Lab	65.5667, 30.1049, 34.4112

Details

The XYZ color **53.2051, 42.9899, 12.7014** 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 **38.5397, 43.5352, 100.9791**, and the grayscale version is **39.4171, 41.4699, 45.1607**.

A 20% lighter version of the original color is **66.6252, 65.5836, 30.2665**, and **26.3730, 19.7823, 3.4653** is the 20% darker color. If you saturate the color by 10%, you get **50.2029, 38.1763, 8.0312**, and if you desaturate by 10%, it is **56.8855, 48.5937, 19.3458**.

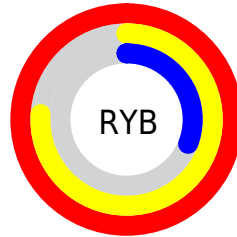
Distribution



Red (100%)

Green (58%)

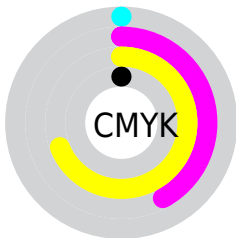
Blue (31%)



Red (100%)

Yellow (76%)

Blue (31%)

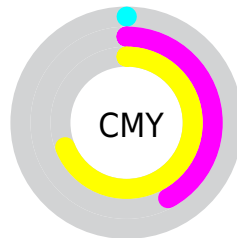


Cyan (0%)

Magenta (42%)

Yellow (69%)

Black (0%)



Cyan (0%)


Magenta (42%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.2051, 42.9899, 12.7014 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 53.2051, 42.9899, 12.7014 by changing the saturation by 10% instead.


 53.2051, 42.9899,
12.7014

 53.2051, 42.9899,
12.7014


389.3195,
358.5702, 220.1352


 38.1947, 29.8772,
7.0950


 94.0699, 79.6956,
31.4496

 26.3117, 19.7454,
3.4422


 120.6549,
104.0574, 45.4284


 17.1909, 12.2101,
1.3246


 151.8288,
132.9377, 63.0350

 10.4668, 6.8869,
0.0818

 187.9570,
166.7209, 84.6881

 5.7742, 3.3915,
0.0000

 229.4048,
205.7913, 110.8061

 2.7476, 1.3394,
0.0000

276.5376,

 1.0217, 0.1714,

250.5334, 141.8076

0.0000

329.7207,
301.3316, 178.1111

■ 0.0000, 0.0000,
0.0000

■ 53.2051, 42.9899,
12.7014

■ 53.2051, 42.9899,
12.7014

■ 50.2029, 38.1763,
8.0312

■ 56.8855, 48.5937,
19.3458

■ 47.8198, 34.1034,
5.0993

■ 61.2896, 55.0195,
28.1591


■ 45.9763, 30.7197,
3.5494

■ 66.4620, 62.3049,
39.3146

■ 45.8795, 30.5394,
3.4766

■ 72.4421, 70.4830,
52.9675

■ 79.2665, 79.5851,
69.2594

 86.9693, 89.6405,
88.3212

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.



62.1730, 42.9899, 24.8413



53.2051, 42.9899, 12.7014



41.9914, 42.9899, 9.1170

Triad

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



53.2051, 42.9899, 12.7014



23.5214, 42.9899, 43.6724



50.9243, 42.9899, 121.8035

Complementary

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



53.2051, 42.9899, 12.7014



38.5397, 43.5352, 100.9791

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.



39.7503, 42.9899, 134.1222



53.2051, 42.9899, 12.7014



25.0776, 42.9899, 78.9553

Square

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



53.2051, 42.9899, 12.7014



25.8956, 42.9899, 21.3731



30.5904, 42.9899, 115.8327



60.7024, 42.9899, 87.0961

Rectangle

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



53.2051, 42.9899, 12.7014



35.1529, 42.9899, 9.9696



30.5904, 42.9899, 115.8327



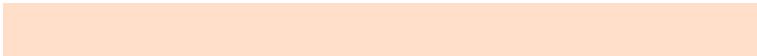
47.1549, 42.9899, 129.2162

Sweetspot

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



53.2061, 42.9922, 12.7022



78.1246, 78.0761, 66.4889



52.9501, 30.3033, 50.1565



16.3082, 16.1623, 13.2361



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.



53.2061, 42.9922, 12.7022



49.2798, 36.6315, 6.7926



72.1375, 80.8549, 19.0126



18.5988, 19.1657, 18.8634



24.1087, 16.2286, 1.8618



2.4504, 1.7861, 0.2156

Inverse Universe

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



38.5397, 43.5352, 100.9791



33.6785, 36.9763, 99.9698



25.6209, 17.6976, 96.6728



17.9166, 19.2049, 23.0126



15.6317, 16.1731, 51.7324



1.6287, 1.7881, 5.0726

Previews

White Background



This preview shows how the XYZ color 53.2051, 42.9899, 12.7014 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 53.2051, 42.9899, 12.7014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

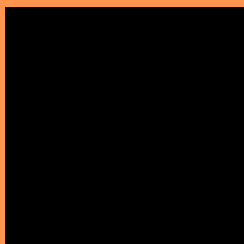
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.2051, 42.9899, 12.7014

Background



This preview shows how black text looks on a background with the XYZ color 53.2051, 42.9899, 12.7014.



This preview shows how white text looks on a background with the XYZ color 53.2051, 42.9899,

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

53.2051, 42.9899, 12.7014

Protanopia

39.4938, 43.2081, 15.2753

Deuteranopia

43.9348, 43.0239, 12.2922



Tritanopia

56.5805, 42.8730, 34.9990

Trichromacy



Original Color

53.2051, 42.9899, 12.7014

Protanomaly

43.5554, 42.5115, 14.2974

Deuteranomaly

46.7958, 42.6385, 12.4203

Tritanomaly

54.9149, 42.6872, 24.7472

Monochromacy



Original Color

53.2051, 42.9899, 12.7014

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

42.0418, 40.5859, 29.6628

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.2051, 42.9899, 12.7014 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, 148, 78)` looks like.

```
.text, #text, p{  
    color:rgb(255, 148, 78)  
}
```

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, 148, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 148, 78) }
```

Border

The CSS property to change the border of an element to XYZ 53.2051, 42.9899, 12.7014 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, 148, 78) }
```


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

```
.border{ border-color:rgb(255, 148, 78) }
```

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

Here you see how a box with a 4 pixel rgb(255, 148, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 148, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 148, 78);  
box-shadow:4px 4px 4px 4px rgb(255, 148,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 53.2051, 42.9899, 12.7014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 148, 78) }
```

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

```
.background{ background-color: rgb(255,  
148, 78) }
```

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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