

Converting Colors

XYZ(53.3661, 42.7923, 14.3575)

Have a look what the booklet for
XYZ(53.3661, 42.7923, 14.3575)
contains.

XYZ(53.3940, 42.8156, 14.4669)	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(53.3940, 42.8156,
14.4669)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9357
RGB	255, 147, 87
RGB Percent	100%, 58%, 34%
CMY	0.0000, 0.4235, 0.6588
CMYK	0.00, 0.42, 0.66, 0.00
HSL	21°, 100%, 67%
HSV	21°, 66%, 100%
XYZ	53.3940, 42.8156, 14.4669
YIQ	172.4520, 83.6280, 4.2360

Conversions

Conversions Part 2

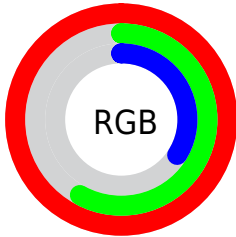
Format	Color
R_{YB}	255, 180, 87
Decimal	16749399
CIE _{Lab}	71.43, 35.71, 48.69
CIE _{LCh}	71, 60.377, 53.741
Yxy	42.8156, 0.4824, 0.3869
Android (android.graphics.Color)	4294939479 (0xFFFF9357)
YUV	172.4520, -42.1278, 72.3946
Hunter-Lab	65.4336, 31.1476, 32.6950

Details

The XYZ color **53.3940, 42.8156, 14.4669** 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 **41.4941, 48.2735, 101.7378**, and the grayscale version is **39.6204, 41.6838, 45.3936**.

A 20% lighter version of the original color is **67.0207, 65.3651, 33.5105**, and **26.4344, 19.6618, 4.2356** is the 20% darker color. If you saturate the color by 10%, you get **50.1604, 37.7318, 9.1253**, and if you desaturate by 10%, it is **57.3606, 48.7774, 21.8679**.

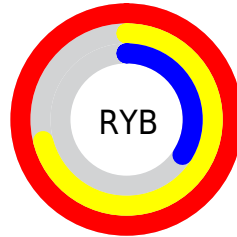
Distribution



Red (100%)

Green (58%)

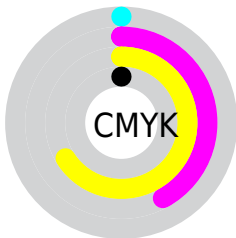
Blue (34%)



Red (100%)

Yellow (71%)

Blue (34%)

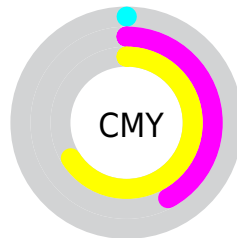


Cyan (0%)

Magenta (42%)

Yellow (66%)

Black (0%)



Cyan (0%)


Magenta (42%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.3940, 42.8156, 14.4669 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 53.3940, 42.8156, 14.4669 by changing the saturation by 10% instead.


 53.3940, 42.8156,
14.4669

 53.3940, 42.8156,
14.4669


390.0311,
357.8529, 231.6450

 38.3461, 29.7405,
8.3037


 94.3460, 79.4325,
34.6442

 26.4299, 19.6417,
4.1993


 120.9808,
103.7431, 49.4953


 17.2799, 12.1348,
1.7353


 152.2087,
132.5676, 68.0795

 10.5308, 6.8356,
0.3848

 188.3950,
166.2904, 90.8152

 5.8172, 3.3595,
0.0000

 229.9050,
205.2960, 118.1211

 2.7739, 1.3222,
0.0000

277.1041,

 1.0353, 0.1583,

249.9686, 150.4157

0.0000

330.3577,
300.6928, 188.1174

■ 0.0000, 0.0000,
0.0000

■ 53.3940, 42.8156,
14.4669

■ 53.3940, 42.8156,
14.4669

■ 50.1604, 37.7318,
9.1253

■ 57.3606, 48.7774,
21.8679

■ 47.6008, 33.4725,
5.6212

■ 62.1064, 55.6532,
31.5142

■ 45.6493, 29.9869,
3.6838

■ 67.6768, 63.4847,
43.5733

■ 44.9877, 28.7560,
3.1793

■ 74.1126, 72.3089,
58.1959

■ 81.4515, 82.1607,
75.5203

89.7290, 93.0731,
95.6748

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



61.3536, 42.8156, 27.5071



53.3940, 42.8156, 14.4669



42.8647, 42.8156, 10.1631

Triad

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



53.3940, 42.8156, 14.4669



24.1839, 42.8156, 40.7748



49.0888, 42.8156, 118.9940

Complementary

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



53.3940, 42.8156, 14.4669



41.4941, 48.2735, 101.7378

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.



38.5996, 42.8156, 127.4158



53.3940, 42.8156, 14.4669



25.2879, 42.8156, 73.0046

Square

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



53.3940, 42.8156, 14.4669



26.8726, 42.8156, 20.7168



30.1882, 42.8156, 107.9487



58.5925, 42.8156, 88.2176

Rectangle

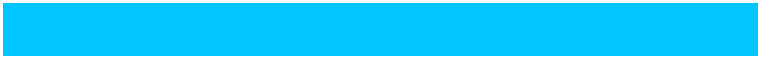
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.3940, 42.8156, 14.4669



36.2233, 42.8156, 10.6299



30.1882, 42.8156, 107.9487



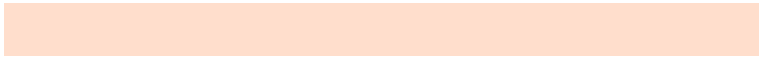
45.5202, 42.8156, 124.9503

Sweetspot

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



53.3950, 42.8178, 14.4677



78.3179, 77.9772, 68.0500



54.6347, 32.0712, 55.6549



16.3247, 16.1010, 13.5322



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.



53.3950, 42.8178, 14.4677



49.2930, 36.3175, 7.8468



71.2011, 78.4301, 20.4031



18.5403, 19.0487, 18.8439



23.6348, 15.2808, 1.7038



2.4000, 1.6853, 0.1988

Inverse Universe

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



41.4941, 48.2735, 101.7378



36.4901, 41.8776, 100.7677



27.7970, 20.8791, 97.1721



17.9771, 19.3258, 23.0327



16.5069, 17.9233, 52.0241



1.7105, 1.9518, 5.0998

Previews

White Background



This preview shows how the XYZ color 53.3940, 42.8156, 14.4669 looks on a white background.

Color Contrast Check

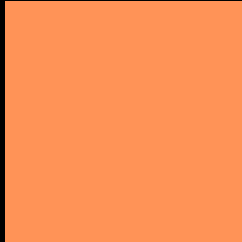
Large Text (above 18pt) WCAG AA × Fail

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 53.3940, 42.8156, 14.4669 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 53.3940, 42.8156, 14.4669

Background



This preview shows how black text looks on a background with the XYZ color 53.3940, 42.8156, 14.4669.



This preview shows how white text looks on a background with the XYZ color 53.3940, 42.8156,

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

53.3940, 42.8156, 14.4669

Protanopia

39.4800, 42.8605, 17.5013

Deuteranopia

43.9570, 42.9983, 13.9654



Tritanopia

56.4989, 42.8404, 34.5694

Trichromacy



Original Color

53.3940, 42.8156, 14.4669

Protanomaly

43.7498, 42.2995, 16.2147

Deuteranomaly

47.1260, 42.7706, 14.1593

Tritanomaly

55.1095, 42.7650, 25.7720

Monochromacy



Original Color

53.3940, 42.8156, 14.4669

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

42.2620, 40.6740, 30.8227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.3940, 42.8156, 14.4669 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, 147, 87)` looks like.

```
.text, #text, p{  
    color:rgb(255, 147, 87)  
}
```

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, 147, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 147, 87) }
```

Border

The CSS property to change the border of an element to XYZ 53.3940, 42.8156, 14.4669 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, 147, 87) }
```


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

```
.border{ border-color:rgb(255, 147, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 147, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 147, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 147, 87);  
box-shadow:4px 4px 4px 4px rgb(255, 147,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 53.3940, 42.8156, 14.4669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 147, 87) }
```

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

```
.background{ background-color: rgb(255,  
147, 87) }
```

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