

Converting Colors

XYZ(52.1242, 40.4587, 13.4804)

Have a look what the booklet for
XYZ(52.1242, 40.4587, 13.4804)
contains.

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Color

**XYZ(52.0729, 40.3653,
13.4343)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8B54
RGB	255, 139, 84
RGB Percent	100%, 55%, 33%
CMY	0.0000, 0.4549, 0.6706
CMYK	0.00, 0.45, 0.67, 0.00
HSL	19°, 100%, 66%
HSV	19°, 67%, 100%
XYZ	52.0729, 40.3653, 13.4343
YIQ	167.4140, 86.7910, 7.4870

Conversions

Conversions Part 2

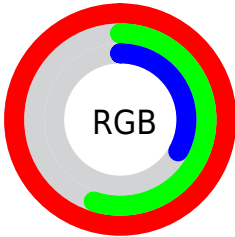
Format	Color
R _Y B	255, 165, 84
Decimal	16747348
CIE Lab	69.73, 39.61, 48.24
CIE LCh	70, 62.419, 50.612
Yxy	40.3653, 0.4918, 0.3813
Android (android.graphics.Color)	4294937428 (0xFFFF8B54)
YUV	167.4140, -41.1231, 76.8129
Hunter-Lab	63.5337, 35.1166, 31.9366

Details

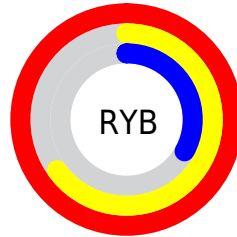
The XYZ color **52.0729, 40.3653, 13.4343** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **42.3591, 50.4107, 102.1050**, and the grayscale version is **37.0986, 39.0306, 42.5043**.

A 20% lighter version of the original color is **64.9050, 61.5928, 31.3894**, and **25.7039, 18.2752, 3.7628** is the 20% darker color. If you saturate the color by 10%, you get **48.9404, 35.4185, 8.3273**, and if you desaturate by 10%, it is **55.9669, 46.2542, 20.5883**.

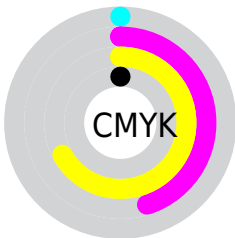
Distribution



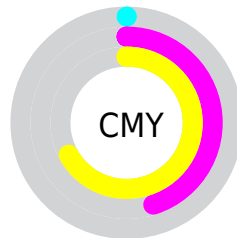
- Red (100%)
- Green (55%)
- Blue (33%)



- Red (100%)
- Yellow (65%)
- Blue (33%)



- Cyan (0%)
- Magenta (45%)
- Yellow (67%)
- Black (0%)





- Cyan (0%)
- Magenta (45%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.0729, 40.3653, 13.4343 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 52.0729, 40.3653, 13.4343 by changing the saturation by 10% instead.


 52.0729, 40.3653,
13.4343


 52.0729, 40.3653,
13.4343


385.0373,
347.6609, 224.9873

 37.2877, 27.8235,
7.5941

 92.4123, 75.7195,
32.7844

 25.6050, 18.1926,
3.7523


 118.6973, 99.3006,
47.1313


 16.6595, 11.0884,
1.4905

 149.5462,
127.3303, 65.1509

 10.0858, 6.1263,
0.2108

 185.3243,
160.1929, 87.2617

 5.5186, 2.9220,
0.0000

 226.3972,
198.2729, 113.8821

 2.5925, 1.0912,
0.0000

273.1301,

 0.9421, 0.0000,

241.9546, 145.4309

0.0000

325.8883,
291.6225, 182.3264

■ 0.0000, 0.0000,
0.0000

■ 52.0729, 40.3653,
13.4343

■ 52.0729, 40.3653,
13.4343

■ 48.9404, 35.4185,
8.3273

■ 55.9669, 46.2542,
20.5883

■ 46.5063, 31.3537,
5.0397

■ 60.6724, 53.1278,
29.9793


■ 44.6985, 28.1115,
3.2856

■ 66.2378, 61.0333,
41.7778

■ 44.2591, 27.2985,
2.9364

■ 72.7068, 70.0128,
56.1371

■ 80.1196, 80.1061,
73.1976

 88.5142, 91.3507,
93.0893

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.



59.5922, 40.3653, 27.1186



52.0729, 40.3653, 13.4343



41.6254, 40.3653, 8.7253

Triad

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



52.0729, 40.3653, 13.4343



22.2034, 40.3653, 35.4800



45.6256, 40.3653, 119.3807

Complementary

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



52.0729, 40.3653, 13.4343



42.3591, 50.4107, 102.1050

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.



35.2813, 40.3653, 124.9527



52.0729, 40.3653, 13.4343



22.8940, 40.3653, 66.6116

Square

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



52.0729, 40.3653, 13.4343



25.2161, 40.3653, 17.2405



27.3039, 40.3653, 102.5584



55.4393, 40.3653, 89.5978

Rectangle

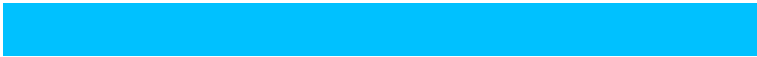
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.0729, 40.3653, 13.4343



34.8957, 40.3653, 8.7958



27.3039, 40.3653, 102.5584



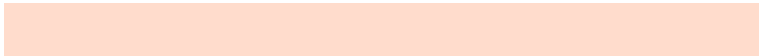
42.0591, 40.3653, 124.5383

Sweetspot

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



52.0738, 40.3674, 13.4350



77.8388, 77.0191, 67.8904



54.9353, 31.8109, 58.4108



16.2110, 15.8736, 13.4943



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.



52.0738, 40.3674, 13.4350



48.1548, 34.1336, 7.1824



69.4018, 75.0234, 19.2110



18.4863, 18.9409, 18.8259



23.2454, 14.5021, 1.5740



2.3573, 1.6000, 0.1846

Inverse Universe

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



42.3591, 50.4107, 102.1050



37.6944, 44.4820, 101.2069



27.8772, 21.4467, 97.2777



18.0334, 19.4383, 23.0515



17.3783, 19.6661, 52.3146



1.7911, 2.1128, 5.1267

Previews

White Background



This preview shows how the XYZ color 52.0729, 40.3653, 13.4343 looks on a white background.

Color Contrast Check

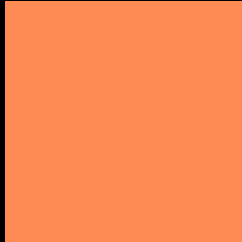
Large Text (above 18pt) WCAG AA × Fail

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 52.0729, 40.3653, 13.4343 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 52.0729, 40.3653, 13.4343

Background



This preview shows how black text looks on a background with the XYZ color 52.0729, 40.3653, 13.4343.



This preview shows how white text looks on a background with the XYZ color 52.0729, 40.3653,

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

52.0729, 40.3653, 13.4343

Protanopia

37.3675, 40.6434, 16.7020

Deuteranopia

41.3724, 40.6078, 13.0547



Tritanopia

54.7230, 40.2934, 30.8798

Trichromacy



Original Color

52.0729, 40.3653, 13.4343

Protanomaly

41.4378, 39.5487, 15.3472

Deuteranomaly

44.7194, 40.0362, 13.1554

Tritanomaly

53.5570, 40.2735, 23.3631

Monochromacy



Original Color

52.0729, 40.3653, 13.4343

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

40.1255, 38.0622, 28.8988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.0729, 40.3653, 13.4343 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, 139, 84)` looks like.

```
.text, #text, p{  
    color:rgb(255, 139, 84)  
}
```

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, 139, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 139, 84) }
```

Border

The CSS property to change the border of an element to XYZ 52.0729, 40.3653, 13.4343 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, 139, 84) }
```


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

```
.border{ border-color:rgb(255, 139, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 139, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 139, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 139, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 139,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 52.0729, 40.3653, 13.4343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 139, 84) }
```

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

```
.background{ background-color: rgb(255,  
139, 84) }
```

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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