

Converting Colors

XYZ(52.5160, 41.0790, 14.1138)

Have a look what the booklet for
XYZ(52.5160, 41.0790, 14.1138)
contains.

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Color

**XYZ(52.4852, 40.9979,
14.1639)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8D57
RGB	255, 141, 87
RGB Percent	100%, 55%, 34%
CMY	0.0000, 0.4470, 0.6588
CMYK	0.00, 0.45, 0.66, 0.00
HSL	19°, 100%, 67%
HSV	19°, 66%, 100%
XYZ	52.4852, 40.9979, 14.1639
YIQ	168.9300, 85.2780, 7.3740

Conversions

Conversions Part 2

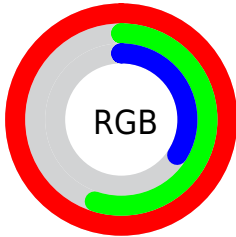
Format	Color
R_{YB}	255, 167, 87
Decimal	16747863
CIE _{Lab}	70.17, 38.77, 47.24
CIE _{LCh}	70, 61.109, 50.627
Yxy	40.9979, 0.4876, 0.3809
Android (android.graphics.Color)	4294937943 (0xFFFF8D57)
YUV	168.9300, -40.3915, 75.4834
Hunter-Lab	64.0296, 34.2650, 31.7053

Details

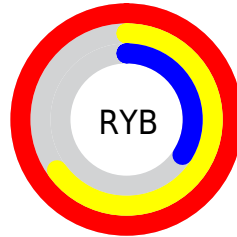
The XYZ color **52.4852, 40.9979, 14.1639** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **42.8656, 51.0164, 102.1951**, and the grayscale version is **37.8425, 39.8133, 43.3567**.

A 20% lighter version of the original color is **65.5674, 62.5748, 32.6671**, and **25.9145, 18.6222, 4.0623** is the 20% darker color. If you saturate the color by 10%, you get **49.2664, 35.9438, 8.8273**, and if you desaturate by 10%, it is **56.4723, 47.0006, 21.5717**.

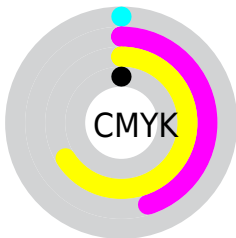
Distribution



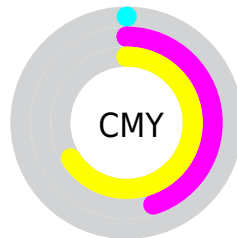
- Red (100%)
- Green (55%)
- Blue (34%)



- Red (100%)
- Yellow (65%)
- Blue (34%)



- Cyan (0%)
- Magenta (45%)
- Yellow (66%)
- Black (0%)




- Cyan (0%)
- Magenta (45%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.4852, 40.9979, 14.1639 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 52.4852, 40.9979, 14.1639 by changing the saturation by 10% instead.


 52.4852, 40.9979,
14.1639


 52.4852, 40.9979,
14.1639


386.6002,
350.3118, 229.7119

 37.6178, 28.3174,
8.0947


 93.0164, 76.6807,
34.1009

 25.8620, 18.5651,
4.0670


 119.4109,
100.4518, 48.8057


 16.8526, 11.3564,
1.6622


 150.3785,
128.6887, 67.2262

 10.2241, 6.3071,
0.3346

 186.2846,
161.7756, 89.7808

 5.6112, 3.0327,
0.0000

 227.4944,
200.0969, 116.8882

 2.6485, 1.1488,
0.0000

274.3734,

 0.9708, 0.0193,

244.0372, 148.9668

0.0000

327.2868,
293.9807, 186.4351

■ 0.0000, 0.0000,
0.0000

■ 52.4852, 40.9979,
14.1639

■ 52.4852, 40.9979,
14.1639

■ 49.2664, 35.9438,
8.8273

■ 56.4723, 47.0006,
21.5717

■ 46.7539, 31.7785,
5.3389

■ 61.2768, 53.9939,
31.2375

■ 44.8781, 28.4444,
3.4267

■ 66.9469, 62.0247,
43.3298

■ 44.2551, 27.2906,
2.9351

■ 73.5256, 71.1348,
58.0000

■ 81.0531, 81.3637,
75.3873

89.5669, 92.7488,
95.6206

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.



59.8803, 40.9979, 27.9116



52.4852, 40.9979, 14.1639



42.1841, 40.9979, 9.3652

Triad

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



52.4852, 40.9979, 14.1639



22.9051, 40.9979, 36.2569



46.1428, 40.9979, 118.5774

Complementary

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



52.4852, 40.9979, 14.1639



42.8656, 51.0164, 102.1951

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.



35.9183, 40.9979, 124.0208



52.4852, 40.9979, 14.1639



23.5970, 40.9979, 66.9908

Square

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



52.4852, 40.9979, 14.1639



25.9106, 40.9979, 18.0224



27.9959, 40.9979, 102.1909



55.8055, 40.9979, 89.4899

Rectangle

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



52.4852, 40.9979, 14.1639



35.5270, 40.9979, 9.4393



27.9959, 40.9979, 102.1909



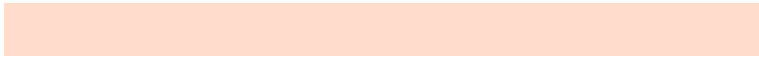
42.6227, 40.9979, 123.6075

Sweetspot

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



52.4862, 41.0001, 14.1646



77.8361, 77.0136, 67.8894



55.2851, 32.3313, 59.0798



16.2104, 15.8723, 13.4941



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.



52.4862, 41.0001, 14.1646



48.4103, 34.5521, 7.5526



69.6695, 75.3668, 19.8924



18.4860, 18.9402, 18.8258



23.2433, 14.4979, 1.5733



2.3571, 1.5995, 0.1845

Inverse Universe

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



42.8656, 51.0164, 102.1951



38.0128, 44.9228, 101.2752



28.4356, 22.1564, 97.3851



18.0337, 19.4390, 23.0516



17.3834, 19.6765, 52.3163



1.7915, 2.1138, 5.1268

Previews

White Background



This preview shows how the XYZ color 52.4852, 40.9979, 14.1639 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 52.4852, 40.9979, 14.1639 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 52.4852, 40.9979, 14.1639

Background



This preview shows how black text looks on a background with the XYZ color 52.4852, 40.9979, 14.1639.



This preview shows how white text looks on a background with the XYZ color 52.4852, 40.9979,

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

52.4852, 40.9979, 14.1639

Protanopia

37.9434, 41.2057, 17.5089

Deuteranopia

41.9498, 41.1572, 13.7158



Tritanopia

55.1550, 40.9127, 31.7780

Trichromacy



Original Color

52.4852, 40.9979, 14.1639

Protanomaly

42.2058, 40.4440, 16.1717

Deuteranomaly

45.4836, 40.9110, 13.8869

Tritanomaly

53.9666, 40.8922, 24.1174

Monochromacy



Original Color

52.4852, 40.9979, 14.1639

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

40.8778, 38.9397, 29.7877

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.4852, 40.9979, 14.1639 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, 141, 87)` looks like.

```
.text, #text, p{  
    color:rgb(255, 141, 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, 141, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 141, 87) }
```

Border

The CSS property to change the border of an element to XYZ 52.4852, 40.9979, 14.1639 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, 141, 87) }
```


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

```
.border{ border-color:rgb(255, 141, 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, 141, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 141, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 141, 87);  
box-shadow:4px 4px 4px 4px rgb(255, 141,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 52.4852, 40.9979, 14.1639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 141, 87) }
```

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

```
.background{ background-color: rgb(255,  
141, 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](#).

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