

Converting Colors

XYZ(52.8306, 41.4724, 14.9462)

Have a look what the booklet for
XYZ(52.8306, 41.4724, 14.9462)
contains.

XYZ(52.7585, 41.3442, 14.8724)	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(52.7585, 41.3442,
14.8724)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8E5A
RGB	255, 142, 90
RGB Percent	100%, 56%, 35%
CMY	0.0000, 0.4431, 0.6471
CMYK	0.00, 0.44, 0.65, 0.00
HSL	19°, 100%, 68%
HSV	19°, 65%, 100%
XYZ	52.7585, 41.3442, 14.8724
YIQ	169.8590, 84.0400, 7.7840

Conversions

Conversions Part 2

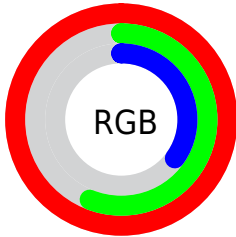
Format	Color
R_{YB}	255, 166, 90
Decimal	16748122
CIE _{Lab}	70.42, 38.43, 45.99
CIE _{LCh}	70, 59.938, 50.117
Yxy	41.3442, 0.4841, 0.3794
Android (android.graphics.Color)	4294938202 (0xFFFF8E5A)
YUV	169.8590, -39.3705, 74.6687
Hunter-Lab	64.2995, 33.9374, 31.2959

Details

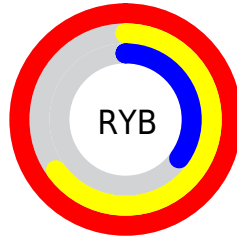
The XYZ color **52.7585, 41.3442, 14.8724** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **43.6209, 52.1025, 102.3650**, and the grayscale version is **38.3000, 40.2946, 43.8808**.

A 20% lighter version of the original color is **66.0140, 63.1156, 33.9025**, and **26.0487, 18.8099, 4.3556** is the 20% darker color. If you saturate the color by 10%, you get **49.4557, 36.1881, 9.3041**, and if you desaturate by 10%, it is **56.8424, 47.4676, 22.5376**.

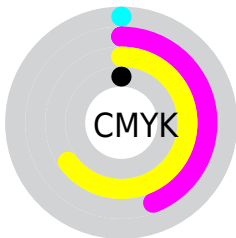
Distribution



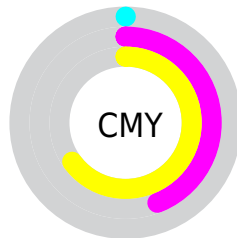
- Red (100%)
- Green (56%)
- Blue (35%)



- Red (100%)
- Yellow (65%)
- Blue (35%)



- Cyan (0%)
- Magenta (44%)
- Yellow (65%)
- Black (0%)





- Cyan (0%)
- Magenta (44%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.7585, 41.3442, 14.8724 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 52.7585, 41.3442, 14.8724 by changing the saturation by 10% instead.


 52.7585, 41.3442,
14.8724

 52.7585, 41.3442,
14.8724


387.6339,
351.7571, 234.2067

 37.8367, 28.5881,
8.5843


 93.4165, 77.2061,
35.3683

 26.0326, 18.7695,
4.3779


 119.8835,
101.0808, 50.4132

 16.9809, 11.5038,
1.8349


 150.9296,
129.4304, 69.2140

 10.3161, 6.4068,
0.4508

 186.9201,
162.6394, 92.1893

 5.6729, 3.0940,
0.0000

228.2204,
201.0922, 119.7577

 2.6860, 1.1810,
0.0000

275.1960,

 0.9900, 0.0461,

245.1732, 152.3377

0.0000

328.2120,
295.2667, 190.3479

■ 0.0000, 0.0000,
0.0000

■ 52.7585, 41.3442,
14.8724

■ 52.7585, 41.3442,
14.8724

■ 49.4557, 36.1881,
9.3041

■ 56.8424, 47.4676,
22.5376

■ 46.8723, 31.9390,
5.6140

■ 61.7565, 54.6007,
32.4840

■ 44.9399, 28.5386,
3.5379

■ 67.5487, 62.7913,
44.8778

■ 44.1359, 27.0521,
2.8954

■ 74.2624, 72.0817,
59.8691

■ 81.9376, 82.5119,
77.5959

90.6121, 94.1199,
98.1862

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.



59.9360, 41.3442, 28.7970



52.7585, 41.3442, 14.8724



42.6430, 41.3442, 9.9039

Triad

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



52.7585, 41.3442, 14.8724



23.4140, 41.3442, 36.3214



46.1888, 41.3442, 117.7271

Complementary

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



52.7585, 41.3442, 14.8724



43.6209, 52.1025, 102.3650

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.



36.1297, 41.3442, 122.5531



52.7585, 41.3442, 14.8724



24.0397, 41.3442, 66.4076

Square

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



52.7585, 41.3442, 14.8724



26.4631, 41.3442, 18.3939



28.3445, 41.3442, 100.9001



55.7247, 41.3442, 89.6119

Rectangle

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



52.7585, 41.3442, 14.8724



36.0573, 41.3442, 9.9180



28.3445, 41.3442, 100.9001



42.7239, 41.3442, 122.4777

Sweetspot

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



52.7595, 41.3464, 14.8731



78.5213, 77.8906, 69.6393



55.9760, 33.0045, 61.4949



16.3413, 16.0384, 13.8331



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.



52.7595, 41.3464, 14.8731



48.5283, 34.6906, 7.8925



69.2066, 74.2406, 20.3555



18.4765, 18.9212, 18.8227



23.1794, 14.3700, 1.5520



2.3499, 1.5852, 0.1821

Inverse Universe

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



43.6209, 52.1025, 102.3650



38.6039, 45.8985, 101.4324



29.3496, 23.5599, 97.6079



18.0437, 19.4589, 23.0549



17.5437, 19.9970, 52.3697



1.8063, 2.1432, 5.1318

Previews

White Background



This preview shows how the XYZ color 52.7585, 41.3442, 14.8724 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 52.7585, 41.3442, 14.8724 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 52.7585, 41.3442, 14.8724

Background



This preview shows how black text looks on a background with the XYZ color 52.7585, 41.3442, 14.8724.



This preview shows how white text looks on a background with the XYZ color 52.7585, 41.3442,

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

52.7585, 41.3442, 14.8724

Protanopia

38.2788, 41.6455, 18.3328

Deuteranopia

42.3557, 41.3529, 14.3439



Tritanopia

55.3740, 41.2266, 32.2331

Trichromacy



Original Color

52.7585, 41.3442, 14.8724



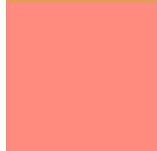
Protanomaly

42.5186, 40.8499, 16.9531



Deuteranomaly

45.6037, 40.9590, 14.5191



Tritanomaly

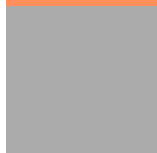
54.2385, 41.2316, 24.8385

Monochromacy



Original Color

52.7585, 41.3442, 14.8724



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

41.4659, 39.4822, 30.6346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.7585, 41.3442, 14.8724 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, 142, 90)` looks like.

```
.text, #text, p{  
    color:rgb(255, 142, 90)  
}
```

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, 142, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 142, 90) }
```

Border

The CSS property to change the border of an element to XYZ 52.7585, 41.3442, 14.8724 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, 142, 90) }
```


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

```
.border{ border-color:rgb(255, 142, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 142, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 142, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 142, 90);  
box-shadow:4px 4px 4px 4px rgb(255, 142,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 52.7585, 41.3442, 14.8724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 142, 90) }
```

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

```
.background{ background-color: rgb(255,  
142, 90) }
```

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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