

Converting Colors

XYZ(50.5121, 36.6430, 14.7668)

Have a look what the booklet for
XYZ(50.5121, 36.6430, 14.7668)
contains.

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Color

**XYZ(50.5494, 36.7175,
14.7789)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7D5D
RGB	255, 125, 93
RGB Percent	100%, 49%, 36%
CMY	0.0000, 0.5098, 0.6353
CMYK	0.00, 0.51, 0.64, 0.00
HSL	12°, 100%, 68%
HSV	12°, 64%, 100%
XYZ	50.5494, 36.7175, 14.7789
YIQ	160.2220, 87.7520, 17.6080

Conversions

Conversions Part 2

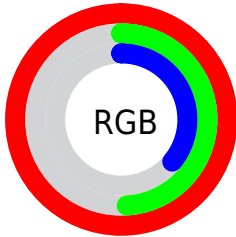
Format	Color
R_{YB}	255, 133, 93
Decimal	16743773
CIE _{Lab}	67.06, 47.06, 40.43
CIE _{LCh}	67, 62.045, 40.665
Yxy	36.7175, 0.4954, 0.3598
Android (android.graphics.Color)	4294933853 (0xFFFF7D5D)
YUV	160.2220, -33.1404, 83.1203
Hunter-Lab	60.5950, 42.8667, 27.9559

Details

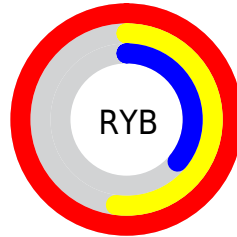
The XYZ color **50.5494, 36.7175, 14.7789** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **48.9500, 62.3188, 104.0560**, and the grayscale version is **33.6370, 35.3887, 38.5383**.

A 20% lighter version of the original color is **62.5953, 55.9161, 33.8793**, and **24.8028, 16.1694, 4.3985** is the 20% darker color. If you saturate the color by 10%, you get **47.2735, 31.6821, 9.0131**, and if you desaturate by 10%, it is **54.7370, 42.9745, 22.7061**.

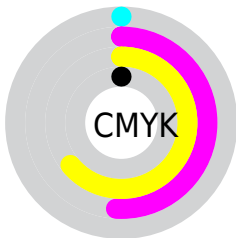
Distribution



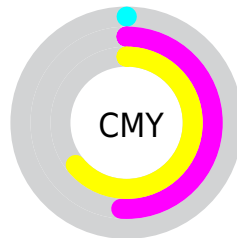
- Red (100%)
- Green (49%)
- Blue (36%)



- Red (100%)
- Yellow (52%)
- Blue (36%)



- Cyan (0%)
- Magenta (51%)
- Yellow (64%)
- Black (0%)





- Cyan (0%)
- Magenta (51%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.5494, 36.7175, 14.7789 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 50.5494, 36.7175, 14.7789 by changing the saturation by 10% instead.


 50.5494, 36.7175,
14.7789


 50.5494, 36.7175,
14.7789


379.2271,
332.0858, 233.6185

 36.0697, 24.9888,
8.5195


 90.1753, 70.1381,
35.2016


 24.6584, 16.0687,
4.3366


 116.0523, 92.5988,
50.2020

 15.9501, 9.5728,
1.8118


 146.4590,
119.4057, 68.9531

 9.5795, 5.1166,
0.4357

 181.7609,
150.9430, 91.8735

 5.1812, 2.3159,
0.0000

222.3233,
187.5954, 119.3817

 2.3898, 0.7821,
0.0000

268.5116,

 0.8400, 0.0000,

229.7470, 151.8962

0.0000

320.6911,
277.7824, 189.8357

■ 0.0000, 0.0000,
0.0000

■ 50.5494, 36.7175,
14.7789

■ 50.5494, 36.7175,
14.7789

■ 47.2735, 31.6821,
9.0131

■ 54.7370, 42.9745,
22.7061

■ 44.8346, 27.7808,
5.1898

■ 59.8977, 50.5211,
32.9807

■ 43.1493, 24.9232,
3.0465

■ 66.0903, 59.4272,
45.7706

■ 42.3968, 23.5738,
2.3156

■ 73.3680, 69.7556,
61.2278

■ 81.7805, 81.5656,
79.4921

91.3740, 94.9127,
100.6937

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.



55.9375, 36.7175, 31.1132



50.5494, 36.7175, 14.7789



41.2572, 36.7175, 8.2611

Triad

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



50.5494, 36.7175, 14.7789



20.4258, 36.7175, 25.1251



38.3655, 36.7175, 115.8680

Complementary

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



50.5494, 36.7175, 14.7789



48.9500, 62.3188, 104.0560

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.



29.2299, 36.7175, 111.7842



50.5494, 36.7175, 14.7789



19.9331, 36.7175, 50.3870

Square

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



50.5494, 36.7175, 14.7789



24.3609, 36.7175, 12.0986



22.8664, 36.7175, 84.2972



48.1070, 36.7175, 93.7642

Rectangle

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



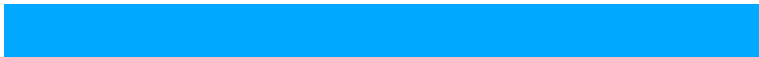
50.5494, 36.7175, 14.7789



34.6887, 36.7175, 7.2797



22.8664, 36.7175, 84.2972



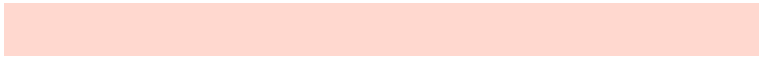
35.1099, 36.7175, 117.6949

Sweetspot

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



50.5503, 36.7195, 14.7795



77.0348, 74.9175, 69.1438



58.7858, 34.5415, 75.0176



15.9871, 15.3300, 13.7150



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.



50.5503, 36.7195, 14.7795



46.5961, 30.6158, 7.8967



64.7373, 65.0935, 19.5085



18.2999, 18.5679, 18.7638



22.2351, 12.4814, 1.2372



2.2369, 1.3592, 0.1445

Inverse Universe

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



48.9500, 62.3188, 104.0560



44.7250, 57.6949, 103.3867



32.5831, 29.5850, 98.6004



18.2320, 19.8357, 23.1177



20.8989, 26.7073, 53.4881



2.1089, 2.7485, 5.2326

Previews

White Background



This preview shows how the XYZ color 50.5494, 36.7175, 14.7789 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 50.5494, 36.7175, 14.7789 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 50.5494, 36.7175, 14.7789

Background



This preview shows how black text looks on a background with the XYZ color 50.5494, 36.7175, 14.7789.



This preview shows how white text looks on a background with the XYZ color 50.5494, 36.7175,

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

50.5494, 36.7175, 14.7789

Protanopia

34.2894, 37.0774, 19.2593

Deuteranopia

37.6962, 36.8826, 14.1491



Tritanopia

52.2288, 36.7908, 25.4677

Trichromacy



Original Color

50.5494, 36.7175, 14.7789

Protanomaly

38.7582, 35.8938, 17.4558

Deuteranomaly

41.7474, 36.3442, 14.2660

Tritanomaly

51.5338, 36.7103, 21.1993

Monochromacy



Original Color

50.5494, 36.7175, 14.7789

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

37.3833, 34.2471, 27.9326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5494, 36.7175, 14.7789 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, 125, 93)` looks like.

```
.text, #text, p{  
  color:rgb(255, 125, 93)  
}
```

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, 125, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 125, 93) }
```

Border

The CSS property to change the border of an element to XYZ 50.5494, 36.7175, 14.7789 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, 125, 93) }
```


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

```
.border{ border-color:rgb(255, 125, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 125, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 125, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 125, 93);  
box-shadow:4px 4px 4px 4px rgb(255, 125,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5494, 36.7175, 14.7789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 125, 93) }
```

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

```
.background{ background-color: rgb(255,  
125, 93) }
```

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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