

Converting Colors

XYZ(101.0286, 61.2826,
16.7560)

Have a look what the booklet for
XYZ(101.0286, 61.2826, 16.7560)
contains.

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Color

**XYZ(49.5771, 34.7729,
14.4548)**

Conversions

Conversions Part 1

Format	Color
Hex	FF755D
RGB	255, 117, 93
RGB Percent	100%, 46%, 36%
CMY	0.0000, 0.5411, 0.6353
CMYK	0.00, 0.54, 0.64, 0.00
HSL	9°, 100%, 68%
HSV	9°, 64%, 100%
XYZ	49.5771, 34.7729, 14.4548
YIQ	155.5260, 89.9520, 21.7920

Conversions

Conversions Part 2

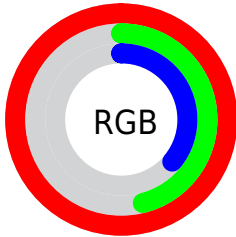
Format	Color
R_{YB}	255, 121, 93
Decimal	16741725
CIE _{Lab}	65.57, 50.88, 38.61
CIE _{LCh}	66, 63.877, 37.193
Yxy	34.7729, 0.5018, 0.3519
Android (android.graphics.Color)	4294931805 (0xFFFF755D)
YUV	155.5260, -30.8253, 87.2387
Hunter-Lab	58.9686, 46.8768, 26.7444

Details

The XYZ color **49.5771, 34.7729, 14.4548** is a light color, and the websafe version is hex **FF6666**. The color can be described as light muted orange. A complement of this color would be **51.1380, 66.6946, 104.7854**, and the grayscale version is **31.4948, 33.1350, 36.0840**.

A 20% lighter version of the original color is **61.0266, 52.7787, 33.3564**, and **24.0089, 14.9587, 4.2067** is the 20% darker color. If you saturate the color by 10%, you get **46.3862, 29.9075, 8.7173**, and if you desaturate by 10%, it is **53.7332, 40.9669, 22.3715**.

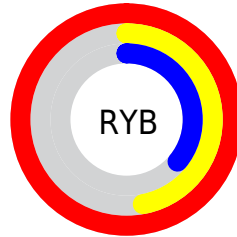
Distribution



Red (100%)

Green (46%)

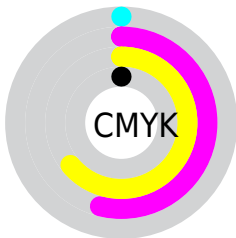
Blue (36%)



Red (100%)

Yellow (47%)

Blue (36%)

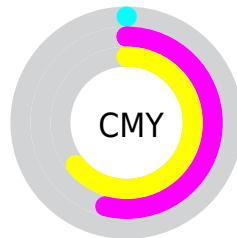


Cyan (0%)

Magenta (54%)

Yellow (64%)

Black (0%)



Cyan (0%)

Magenta (54%)

Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5771, 34.7729, 14.4548 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 49.5771, 34.7729, 14.4548 by changing the saturation by 10% instead.


 49.5771, 34.7729,
14.4548


 49.5771, 34.7729,
14.4548

375.4892,
323.5648, 231.5681

 35.2939, 23.4880,
8.2953


 88.7435, 67.1338,
34.6225

 24.0569, 14.9542,
4.1940


 114.3575, 88.9786,
49.4678

 15.5008, 8.7873,
1.7324


 144.4791,
115.1121, 68.0455

 9.2602, 4.6027,
0.3828

 179.4737,
145.9188, 90.7741

 4.9698, 2.0161,
0.0000

219.7067,
181.7830, 118.0721

 2.2641, 0.6168,
0.0000

265.5434,

 0.7762, 0.0000,

223.0891, 150.3580

0.0000

317.3491,
270.2216, 188.0505

■ 0.0000, 0.0000,
0.0000

■ 49.5771, 34.7729,
14.4548

■ 49.5771, 34.7729,
14.4548

■ 46.3862, 29.9075,
8.7173

■ 53.7332, 40.9669,
22.3715

■ 44.0777, 26.2669,
4.9375

■ 58.9230, 48.5717,
32.6557

■ 42.5582, 23.7410,
2.8495

■ 65.2115, 57.6695,
45.4776

■ 41.9262, 22.6327,
2.1588

■ 72.6576, 68.3347,
60.9909

■ 81.3159, 80.6365,
79.3372

91.2376, 94.6401,
100.6482

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.



54.3371, 34.7729, 31.7627



49.5771, 34.7729, 14.4548



40.5364, 34.7729, 7.4379

Triad

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



49.5771, 34.7729, 14.4548



19.0712, 34.7729, 21.1783



35.3577, 34.7729, 115.5730

Complementary

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



49.5771, 34.7729, 14.4548



51.1380, 66.6946, 104.7854

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.



26.5482, 34.7729, 108.1065



49.5771, 34.7729, 14.4548



18.2067, 34.7729, 44.6955

Square

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



49.5771, 34.7729, 14.4548



23.3136, 34.7729, 9.8413



20.6775, 34.7729, 78.3931



45.1793, 34.7729, 95.6201

Rectangle

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



49.5771, 34.7729, 14.4548



33.9407, 34.7729, 6.1749



20.6775, 34.7729, 78.3931



32.1762, 34.7729, 116.2985

Sweetspot

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



49.5779, 34.7748, 14.4554



76.4258, 73.6996, 68.9408



59.9194, 34.9949, 80.9871



15.8427, 15.0411, 13.6669



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.



49.5779, 34.7748, 14.4554



45.7371, 28.8979, 7.6104



62.8655, 61.3499, 18.8846



18.2266, 18.4213, 18.7394



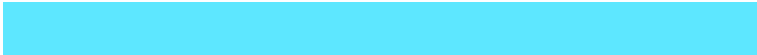
21.9722, 11.9556, 1.1496



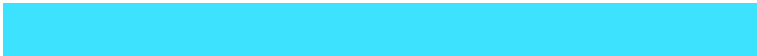
2.2007, 1.2867, 0.1324

Inverse Universe

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



51.1380, 66.6946, 104.7854



47.2593, 62.7635, 104.2315



33.8576, 32.1339, 99.0252



18.3120, 19.9956, 23.1443



22.5123, 29.9343, 54.0259



2.2516, 3.0339, 5.2802

Previews

White Background



This preview shows how the XYZ color 49.5771, 34.7729, 14.4548 looks on a white background.

Color Contrast Check

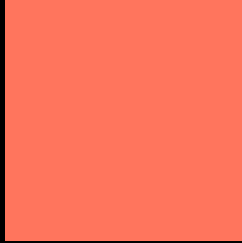
Large Text (above 18pt) WCAG AA × Fail

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 49.5771, 34.7729, 14.4548 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 49.5771, 34.7729, 14.4548

Background



This preview shows how black text looks on a background with the XYZ color 49.5771, 34.7729, 14.4548.



This preview shows how white text looks on a background with the XYZ color 49.5771, 34.7729,

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

49.5771, 34.7729, 14.4548

Protanopia

32.5647, 35.1300, 19.5324

Deuteranopia

35.4136, 34.7305, 13.6412



Tritanopia

50.7702, 34.6998, 22.4342

Trichromacy



Original Color

49.5771, 34.7729, 14.4548

Protanomaly

37.0500, 33.6223, 17.3690

Deuteranomaly

39.6511, 33.9382, 13.9121

Tritanomaly

50.2400, 34.6692, 19.0828

Monochromacy



Original Color

49.5771, 34.7729, 14.4548

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

35.6449, 32.2459, 26.5357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5771, 34.7729, 14.4548 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, 117, 93)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 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, 117, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 93) }
```

Border

The CSS property to change the border of an element to XYZ 49.5771, 34.7729, 14.4548 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, 117, 93) }
```


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

```
.border{ border-color:rgb(255, 117, 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, 117, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 93);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5771, 34.7729, 14.4548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 93) }
```

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

```
.background{ background-color: rgb(255,  
117, 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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