

# Converting Colors

XYZ(49.1441, 34.0815, 13.7733)

Have a look what the booklet for  
XYZ(49.1441, 34.0815, 13.7733)  
contains.

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# Color

**XYZ(49.1456, 34.0500,  
13.8796)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF725B
RGB	255, 114, 91
RGB Percent	100%, 45%, 36%
CMY	0.0000, 0.5529, 0.6431
CMYK	0.00, 0.55, 0.64, 0.00
HSL	8°, 100%, 68%
HSV	8°, 64%, 100%
XYZ	49.1456, 34.0500, 13.8796
YIQ	153.5370, 91.4190, 22.7390

# Conversions

## Conversions Part 2

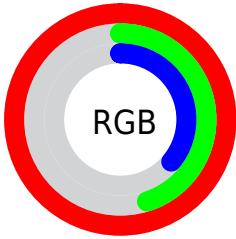
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 118, 91
Decimal	16740955
CIE Lab	65.00, 52.17, 39.00
CIE LCh	65, 65.136, 36.784
Yxy	34.0500, 0.5063, 0.3508
Android (android.graphics.Color)	4294931035 (0xFFFF725B)
YUV	153.5370, -30.8307, 88.9831
Hunter-Lab	58.3524, 48.2198, 26.7440

# Details

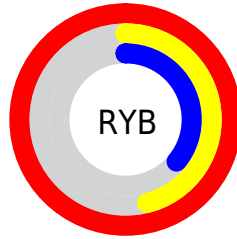
The XYZ color **49.1456, 34.0500, 13.8796** is a light color, and the websafe version is hex **FF6666**. The color can be described as light muted orange. A complement of this color would be **51.2185, 67.1524, 104.8692**, and the grayscale version is **30.6163, 32.2107, 35.0774**.

A 20% lighter version of the original color is **60.3105, 51.5889, 32.3701**, and **23.7568, 14.5162, 3.9327** is the 20% darker color. If you saturate the color by 10%, you get **46.0431, 29.3166, 8.3094**, and if you desaturate by 10%, it is **53.2158, 40.1215, 21.6157**.

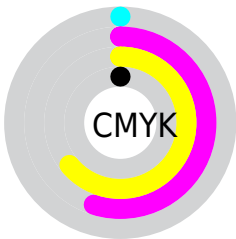
# Distribution



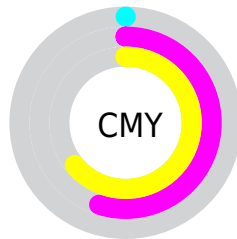
- Red (100%)
- Green (45%)
- Blue (36%)



- Red (100%)
- Yellow (46%)
- Blue (36%)



- Cyan (0%)
- Magenta (55%)
- Yellow (64%)
- Black (0%)




- Cyan (0%)
- Magenta (55%)
- Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1456, 34.0500, 13.8796 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 49.1456, 34.0500, 13.8796 by changing the saturation by 10% instead.





 49.1456, 34.0500,  
13.8796


 49.1456, 34.0500,  
13.8796


373.8227,  
320.3549, 227.8829

 34.9500, 22.9320,  
7.8992


 88.1071, 66.0114,  
33.5893


 23.7907, 14.5433,  
3.9437


 113.6037, 87.6236,  
48.1556

 15.3023, 8.4995,  
1.5945


 143.5980,  
113.5027, 66.4210

 9.1195, 4.4162,  
0.2869

 178.4554,  
144.0331, 88.8041

 4.8770, 1.9090,  
0.0000

218.5412,  
179.5991, 115.7232

 2.2093, 0.5538,  
0.0000

264.2208,

 0.7476, 0.0000,

220.5851, 147.5970

0.0000

315.8595,  
267.3756, 184.8441

■ 0.0000, 0.0000,  
0.0000

■ 49.1456, 34.0500,  
13.8796

■ 49.1456, 34.0500,  
13.8796

■ 46.0431, 29.3166,  
8.3094

■ 53.2158, 40.1215,  
21.6157

■ 43.8231, 25.8139,  
4.6805

■ 58.3242, 47.6168,  
31.7085

■ 42.3893, 23.4267,  
2.7212

■ 64.5373, 56.6207,  
44.3299

■ 41.8638, 22.5080,  
2.1380

■ 71.9153, 67.2100,  
59.6351

■ 80.5142, 79.4560,  
77.7668

90.3861, 93.4258,  
98.8576

95.0497, 99.9998,  
108.9000

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.8875, 34.0500, 31.2780



49.1456, 34.0500, 13.8796



40.0415, 34.0500, 6.9156

# Triad

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



49.1456, 34.0500, 13.8796



18.4081, 34.0500, 20.1552



34.5507, 34.0500, 116.1251

# Complementary

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



49.1456, 34.0500, 13.8796



51.2185, 67.1524, 104.8692

# 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.



25.7357, 34.0500, 108.1028



49.1456, 34.0500, 13.8796



17.5035, 34.0500, 43.5465

# Square

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



49.1456, 34.0500, 13.8796



22.6839, 34.0500, 9.1153



19.9164, 34.0500, 77.6201



44.4664, 34.0500, 96.0717



# Rectangle

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



49.1456, 34.0500, 13.8796



33.3902, 34.0500, 5.6562



19.9164, 34.0500, 77.6201



31.3581, 34.0500, 116.7289

# Sweetspot

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



49.1464, 34.0519, 13.8802



76.3292, 73.5064, 68.9086



59.7078, 34.6330, 80.7281



15.8198, 14.9953, 13.6592



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.



49.1464, 34.0519, 13.8802



45.3639, 28.2592, 7.1539



62.6133, 60.9856, 18.3691



18.2149, 18.3979, 18.7355



21.9369, 11.8850, 1.1378



2.1952, 1.2758, 0.1305



# Inverse Universe

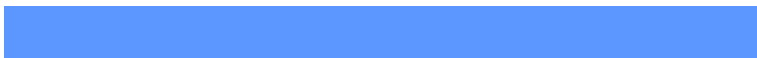
The Inverse Universe completely reimagines the original color for something new.



51.2185, 67.1524, 104.8692



47.4262, 63.3256, 104.3312



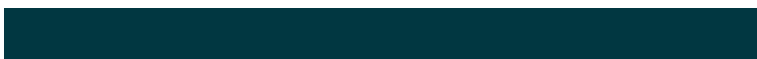
33.4525, 31.6205, 98.9472



18.3248, 20.0213, 23.1486



22.7821, 30.4737, 54.1159



2.2753, 3.0813, 5.2881



# Previews

## White Background



This preview shows how the XYZ color 49.1456, 34.0500, 13.8796 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

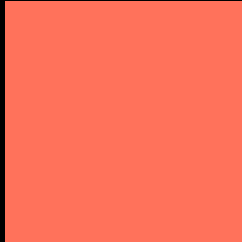
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.1456, 34.0500, 13.8796 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 49.1456, 34.0500, 13.8796**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.1456, 34.0500, 13.8796.



This preview shows how white text looks on a background with the XYZ color 49.1456, 34.0500,



# 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

49.1456, 34.0500, 13.8796

### Protanopia

31.7282, 34.1944, 19.1153

### Deuteranopia

34.9150, 34.2426, 13.1568



## Tritanopia

50.2542, 33.9608, 21.3592

# Trichromacy



## Original Color

49.1456, 34.0500, 13.8796

## Protanomaly

36.4284, 32.8619, 16.9934

## Deuteranomaly

39.1277, 33.4640, 13.4138

## Tritanomaly

49.7945, 33.9525, 18.3970

# Monochromacy



## Original Color

49.1456, 34.0500, 13.8796

## Achromatopsia

30.7148, 32.3143, 35.1903

## Achromatomaly

34.8152, 31.1803, 25.6562

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.1456, 34.0500, 13.8796 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, 114, 91)` looks like.

```
.text, #text, p{  
    color:rgb(255, 114, 91)  
}
```

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, 114, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 114, 91) }
```

## Border

The CSS property to change the border of an element to XYZ 49.1456, 34.0500, 13.8796 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, 114, 91) }
```



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

```
.border{ border-color:rgb(255, 114, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 114, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 114, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 114, 91);  
box-shadow:4px 4px 4px 4px rgb(255, 114,  
91) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.1456, 34.0500, 13.8796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 114, 91) }
```

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

```
.background{ background-color: rgb(255,  
114, 91) }
```

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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