

# Converting Colors

XYZ(52.5944, 36.9882, 13.9290)

Have a look what the booklet for  
XYZ(52.5944, 36.9882, 13.9290)  
contains.

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# Color

**XYZ(49.9228, 35.6729,  
13.9272)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF795A
RGB	255, 121, 90
RGB Percent	100%, 47%, 35%
CMY	0.0000, 0.5255, 0.6471
CMYK	0.00, 0.53, 0.65, 0.00
HSL	11°, 100%, 68%
HSV	11°, 65%, 100%
XYZ	49.9228, 35.6729, 13.9272
YIQ	157.5320, 89.8150, 18.7670

# Conversions

## Conversions Part 2

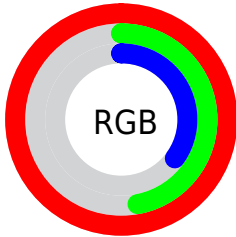
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 128, 90
Decimal	16742746
CIE <sub>Lab</sub>	66.27, 48.81, 41.07
CIE <sub>LCh</sub>	66, 63.793, 40.080
Yxy	35.6729, 0.5016, 0.3584
Android (android.graphics.Color)	4294932826 (0xFFFF795A)
YUV	157.5320, -33.2933, 85.4794
Hunter-Lab	59.7268, 44.6778, 27.9834

# Details

The XYZ color **49.9228, 35.6729, 13.9272** 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 **48.9200, 62.7008, 104.1312**, and the grayscale version is **32.4060, 34.0937, 37.1280**.

A 20% lighter version of the original color is **61.5731, 54.2338, 32.4222**, and **24.1814, 15.3952, 3.9826** is the 20% darker color. If you saturate the color by 10%, you get **46.7655, 30.8078, 8.4073**, and if you desaturate by 10%, it is **53.9940, 41.7709, 21.5881**.

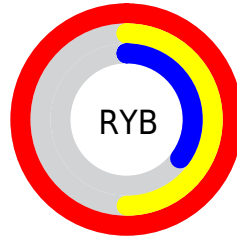
# Distribution



Red (100%)

Green (47%)

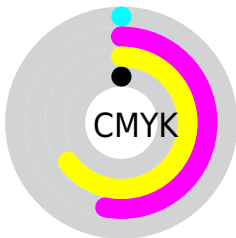
Blue (35%)



Red (100%)

Yellow (50%)

Blue (35%)

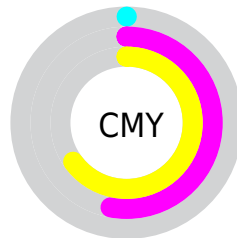


Cyan (0%)

Magenta (53%)

Yellow (65%)

Black (0%)



Cyan (0%)

Magenta (53%)


Yellow (65%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9228, 35.6729, 13.9272 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 49.9228, 35.6729, 13.9272 by changing the saturation by 10% instead.





 49.9228, 35.6729,  
13.9272


 49.9228, 35.6729,  
13.9272


376.8209,  
327.5286, 228.1901

 35.5696, 24.1817,  
7.9319


 89.2530, 68.5269,  
33.6751

 24.2705, 15.4684,  
3.9642


 114.9607, 90.6585,  
48.2647

 15.6603, 9.1488,  
1.6057


 145.1840,  
117.1056, 66.5562

 9.3734, 4.8384,  
0.2949

 180.2881,  
148.2527, 88.9680

 5.0446, 2.1527,  
0.0000

220.6385,  
184.4841, 115.9188

 2.3085, 0.6940,  
0.0000

266.6006,

 0.7990, 0.0000,

226.1843, 147.8271

0.0000

318.5396,  
273.7377, 185.1113

■ 0.0000, 0.0000,  
0.0000

■ 49.9228, 35.6729,  
13.9272

■ 49.9228, 35.6729,  
13.9272

■ 46.7655, 30.8078,  
8.4073

■ 53.9940, 41.7709,  
21.5881

■ 44.4449, 27.0842,  
4.8048

■ 59.0427, 49.1733,  
31.5793

■ 42.8737, 24.4063,  
2.8491

■ 65.1295, 57.9529,  
44.0712

■ 42.2934, 23.3673,  
2.2812

■ 72.3091, 68.1753,  
59.2178

■ 80.6325, 79.9019,  
77.1606

90.1473, 93.1906,  
98.0310

95.0497, 99.9999,  
108.9000

# Harmonies

## Analogous

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



55.3017, 35.6729, 30.3724



49.9228, 35.6729, 13.9272



40.5304, 35.6729, 7.4680

# Triad

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



49.9228, 35.6729, 13.9272



19.4478, 35.6729, 23.5829



37.2107, 35.6729, 116.6582

# Complementary

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



49.9228, 35.6729, 13.9272



48.9200, 62.7008, 104.1312

# 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.



28.0459, 35.6729, 111.8819



49.9228, 35.6729, 13.9272



18.8924, 35.6729, 48.7551

# Square

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



49.9228, 35.6729, 13.9272



23.4362, 35.6729, 10.9592



21.7437, 35.6729, 83.2976



47.1051, 35.6729, 94.3212



# Rectangle

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



49.9228, 35.6729, 13.9272



33.8804, 35.6729, 6.4715



21.7437, 35.6729, 83.2976



33.9316, 35.6729, 118.3502

# Sweetspot

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



49.9236, 35.6748, 13.9278



76.9151, 74.6781, 69.1039



58.4525, 33.9950, 74.5361



15.9587, 15.2732, 13.7055



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.



49.9236, 35.6748, 13.9278



45.9127, 29.4594, 7.0206



64.3822, 64.5919, 18.7473



18.2855, 18.5392, 18.7590



22.1779, 12.3670, 1.2182

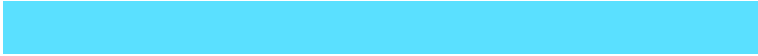


2.2294, 1.3441, 0.1419



# Inverse Universe

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



48.9200, 62.7008, 104.1312



44.6600, 58.0106, 103.4511



31.9768, 28.8144, 98.4835



18.2476, 19.8669, 23.1229



21.2044, 27.3185, 53.5900



2.1361, 2.8028, 5.2417



# Previews

## White Background



This preview shows how the XYZ color 49.9228, 35.6729, 13.9272 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 49.9228, 35.6729, 13.9272 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 49.9228, 35.6729, 13.9272**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.9228, 35.6729, 13.9272.



This preview shows how white text looks on a background with the XYZ color 49.9228, 35.6729,



# 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

49.9228, 35.6729, 13.9272

### Protanopia

33.1992, 35.7398, 18.5133

### Deuteranopia

36.4056, 35.7415, 13.1636



## Tritanopia

51.4201, 35.6975, 23.5822

# Trichromacy



**Original Color**

49.9228, 35.6729, 13.9272

**Protanomaly**

37.7560, 34.4570, 16.7175

**Deuteranomaly**

40.5661, 35.0780, 13.4368

**Tritanomaly**

50.7615, 35.6235, 19.5298

# Monochromacy



**Original Color**

49.9228, 35.6729, 13.9272

**Achromatopsia**

32.4990, 34.1914, 37.2345

**Achromatomaly**

36.3514, 33.2817, 26.6984

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.9228, 35.6729, 13.9272 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, 121, 90)` looks like.

```
.text, #text, p{  
    color:rgb(255, 121, 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, 121, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 121, 90) }
```

## Border

The CSS property to change the border of an element to XYZ 49.9228, 35.6729, 13.9272 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, 121, 90) }
```



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

```
.border{ border-color:rgb(255, 121, 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, 121, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 121, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 121, 90);  
box-shadow:4px 4px 4px 4px rgb(255, 121,  
90) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.9228, 35.6729, 13.9272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 121, 90) }
```

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

```
.background{ background-color: rgb(255,  
121, 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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