

# Converting Colors

XYZ(49.4812, 35.3596, 15.2541)

Have a look what the booklet for  
XYZ(49.4812, 35.3596, 15.2541)  
contains.

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# Color

**XYZ(49.4567, 35.4019,  
15.2929)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FD7960
RGB	253, 121, 96
RGB Percent	99%, 47%, 38%
CMY	0.0078, 0.5255, 0.6235
CMYK	0.00, 0.52, 0.62, 0.01
HSL	10°, 98%, 68%
HSV	10°, 62%, 99%
XYZ	49.4567, 35.4019, 15.2929
YIQ	157.6180, 86.6970, 20.2090

# Conversions

## Conversions Part 2

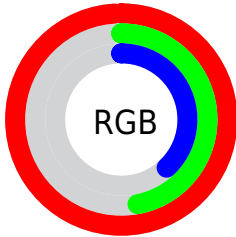
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	253, 126, 96
Decimal	16611680
CIE <sub>Lab</sub>	66.06, 48.45, 37.52
CIE <sub>LCh</sub>	66, 61.282, 37.755
Yxy	35.4019, 0.4938, 0.3535
Android (android.graphics.Color)	4294801760 (0xFFFD7960)
YUV	157.6180, -30.3777, 83.6500
Hunter-Lab	59.4995, 44.2472, 26.4106

# Details

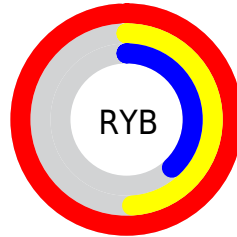
The XYZ color **49.4567, 35.4019, 15.2929** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **50.2948, 65.0613, 102.8353**, and the grayscale version is **32.4332, 34.1222, 37.1591**.

A 20% lighter version of the original color is **62.0318, 54.4173, 34.8379**, and **24.0474, 15.3124, 4.5939** is the 20% darker color. If you saturate the color by 10%, you get **46.1676, 30.3978, 9.3451**, and if you desaturate by 10%, it is **53.6919, 41.6993, 23.4050**.

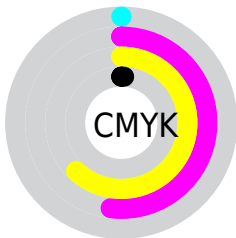
# Distribution



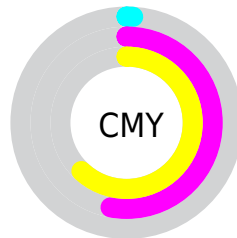
- Red (99%)
- Green (47%)
- Blue (38%)



- Red (99%)
- Yellow (49%)
- Blue (38%)



- Cyan (0%)
- Magenta (52%)
- Yellow (62%)
- Black (1%)




- Cyan (1%)
- Magenta (53%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4567, 35.4019, 15.2929 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 49.4567, 35.4019, 15.2929 by changing the saturation by 10% instead.





 49.4567, 35.4019,  
15.2929


 49.4567, 35.4019,  
15.2929


375.0247,  
326.3388, 236.8338

 35.1979, 23.9726,  
8.8763


 88.5660, 68.1079,  
36.1157


 23.9826, 15.3133,  
4.5649


 114.1473, 90.1534,  
51.3591

 15.4454, 9.0396,  
1.9401

 144.2334,  
116.5065, 70.3817

 9.2209, 4.7670,  
0.5181

 179.1898,  
147.5515, 93.6023

 4.9438, 2.1112,  
0.0000

219.3818,  
183.6728, 121.4392

 2.2488, 0.6709,  
0.0000

265.1746,

 0.7682, 0.0000,

225.2549, 154.3111

0.0000

316.9338,  
272.6821, 192.6364

■ 0.0000, 0.0000,  
0.0000

■ 49.4567, 35.4019,  
15.2929

■ 49.4567, 35.4019,  
15.2929

■ 46.1676, 30.3978,  
9.3451

■ 53.6919, 41.6993,  
23.4050

■ 43.7470, 26.5906,  
5.3501

■ 58.9378, 49.3662,  
33.8621

■ 42.1079, 23.8793,  
3.0564

■ 65.2557, 58.4793,  
46.8281

■ 41.2767, 22.4203,  
2.1520

■ 72.7015, 69.1083,  
62.4515

■ 81.3272, 81.3180,  
80.8692

91.1812, 95.1696,  
102.2087

94.3178, 99.6225,  
108.8657

# Harmonies

## Analogous

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



54.1229, 35.4019, 32.1754



49.4567, 35.4019, 15.2929



40.7131, 35.4019, 8.2887

# Triad

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



49.4567, 35.4019, 15.2929



19.9180, 35.4019, 22.5242



36.0640, 35.4019, 112.5234

# Complementary

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



49.4567, 35.4019, 15.2929



50.2948, 65.0613, 102.8353

# 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.



27.4523, 35.4019, 105.9759



49.4567, 35.4019, 15.2929



19.1238, 35.4019, 45.7080

# Square

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



49.4567, 35.4019, 15.2929



24.0359, 35.4019, 10.9589



21.6284, 35.4019, 78.0669



45.5329, 35.4019, 93.2577



# Rectangle

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



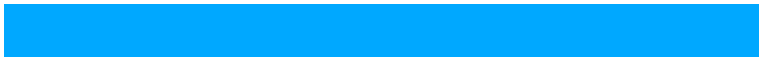
49.4567, 35.4019, 15.2929



34.3382, 35.4019, 7.0338



21.6284, 35.4019, 78.0669



32.9679, 35.4019, 113.3826

# Sweetspot

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



49.4575, 35.4038, 15.2935



76.5618, 73.9715, 68.9861



58.8965, 34.9308, 78.0965



15.8749, 15.1055, 13.6776



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.



49.4575, 35.4038, 15.2935



46.4477, 30.0879, 8.5602



62.8247, 62.1381, 19.7492



18.2430, 18.4541, 18.7448



22.0249, 12.0610, 1.1672



2.2083, 1.3021, 0.1349



# Inverse Universe

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



50.2948, 65.0613, 102.8353



47.2270, 62.2085, 104.1261



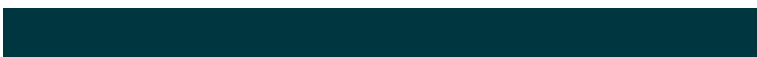
33.6122, 31.6960, 97.2744



18.2940, 19.9596, 23.1383



22.1392, 29.1880, 53.9016



2.2187, 2.9682, 5.2692



# Previews

## White Background



This preview shows how the XYZ color 49.4567, 35.4019, 15.2929 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 49.4567, 35.4019, 15.2929 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 49.4567, 35.4019, 15.2929**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.4567, 35.4019, 15.2929.



This preview shows how white text looks on a background with the XYZ color 49.4567, 35.4019,



# 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

49.4567, 35.4019, 15.2929

### Protanopia

33.0697, 35.6361, 20.1744

### Deuteranopia

36.0016, 35.2564, 14.5805



## Tritanopia

51.3030, 35.4632, 23.5432

# Trichromacy



## Original Color

49.4567, 35.4019, 15.2929

## Protanomaly

37.5090, 34.2949, 18.2783

## Deuteranomaly

40.0719, 34.5742, 14.6867

## Tritanomaly

50.3887, 35.2426, 20.0663

# Monochromacy



## Original Color

49.4567, 35.4019, 15.2929

## Achromatopsia

32.4990, 34.1914, 37.2345

## Achromatomaly

36.4909, 33.3375, 27.4332

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.4567, 35.4019, 15.2929 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(253, 121, 96)` looks like.

```
.text, #text, p{  
    color:rgb(253, 121, 96)  
}
```

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(253, 121, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 121, 96) }
```

## Border

The CSS property to change the border of an element to XYZ 49.4567, 35.4019, 15.2929 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(253, 121, 96) }
```



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

```
.border{ border-color:rgb(253, 121, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 121, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 121, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 121, 96);  
box-shadow:4px 4px 4px 4px rgb(253, 121,  
96) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.4567, 35.4019, 15.2929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 121, 96) }
```

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

```
.background{ background-color: rgb(253,  
121, 96) }
```

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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