

# Converting Colors

XYZ(47.9130, 30.7687, 15.9840)

Have a look what the booklet for  
XYZ(47.9130, 30.7687, 15.9840)  
contains.

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# Color

**XYZ(47.9130, 30.7687,  
15.9840)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF6166
RGB	255, 97, 102
RGB Percent	100%, 38%, 40%
CMY	0.0000, 0.6196, 0.6000
CMYK	0.00, 0.62, 0.60, 0.00
HSL	358°, 100%, 69%
HSV	358°, 62%, 100%
XYZ	47.9130, 30.7687, 15.9840
YIQ	144.8120, 92.5630, 35.0510

# Conversions

## Conversions Part 2

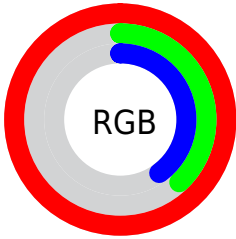
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 97, 102
Decimal	16736614
CIE Lab	62.31, 60.38, 29.52
CIE LCh	62, 67.208, 26.051
Yxy	30.7687, 0.5061, 0.3250
Android (android.graphics.Color)	4294926694 (0xFFFF6166)
YUV	144.8120, -21.1063, 96.6349
Hunter-Lab	55.4695, 57.1115, 21.7438

# Details

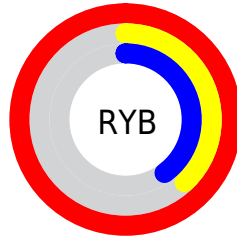
The XYZ color **47.9130, 30.7687, 15.9840** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **57.9473, 80.9643, 103.0231**, and the grayscale version is **26.8953, 28.2959, 30.8143**.

A 20% lighter version of the original color is **58.5454, 46.6711, 36.0597**, and **23.0288, 12.6844, 4.8490** is the 20% darker color. If you saturate the color by 10%, you get **44.8760, 26.3717, 9.8030**, and if you desaturate by 10%, it is **52.0730, 36.8288, 24.3388**.

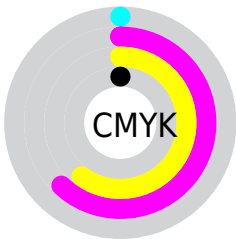
# Distribution



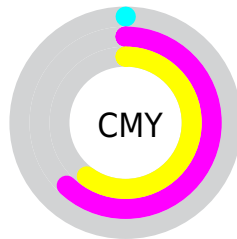
- Red (100%)
- Green (38%)
- Blue (40%)



- Red (100%)
- Yellow (38%)
- Blue (40%)



- Cyan (0%)
- Magenta (62%)
- Yellow (60%)
- Black (0%)




- Cyan (0%)
- Magenta (62%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9130, 30.7687, 15.9840 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 47.9130, 30.7687, 15.9840 by changing the saturation by 10% instead.





 47.9130, 30.7687,  
15.9840


 47.9130, 30.7687,  
15.9840

369.0355,  
305.4713, 241.0898


 33.9690, 20.4228,  
9.3586


 86.2853, 60.8757,  
37.3368

 23.0325, 12.7027,  
4.8758


 111.4443, 81.4056,  
52.9013

 14.7384, 7.2242,  
2.1171


 141.0724,  
106.0990, 72.2826

 8.7211, 3.6027,  
0.6259

 175.5348,  
135.3402, 95.8993

 4.6154, 1.4539,  
0.0000

215.1970,  
169.5136, 124.1697

 2.0558, 0.2559,  
0.0000

260.4242,

 0.6650, 0.0000,

209.0037, 157.5126

0.0000

311.5820,  
254.1948, 196.3465

■ 0.0000, 0.0000,  
0.0000

■ 47.9130, 30.7687,  
15.9840

■ 47.9130, 30.7687,  
15.9840

■ 44.8760, 26.3717,  
9.8030

■ 52.0730, 36.8288,  
24.3388

■ 42.8509, 23.4682,  
5.5929

■ 57.4489, 44.6898,  
35.0424

■ 41.7077, 21.8619,  
3.1150

■ 64.1261, 54.4808,  
48.2539

■ 41.2840, 21.2776,  
2.1624

■ 72.1820, 66.3178,  
64.1179

■ 81.6878, 80.3076,  
82.7682

92.7099, 96.5496,  
104.3295

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.



50.3623, 30.7687, 37.0668



47.9130, 30.7687, 15.9840



40.1250, 30.7687, 6.7792

# Triad

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



47.9130, 30.7687, 15.9840



17.0157, 30.7687, 12.6101



28.0581, 30.7687, 112.2977

# Complementary

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



47.9130, 30.7687, 15.9840



57.9473, 80.9643, 103.0231

# 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.



20.5339, 30.7687, 94.4962



47.9130, 30.7687, 15.9840



15.0502, 30.7687, 30.1732

# Square

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



47.9130, 30.7687, 15.9840



22.2244, 30.7687, 5.6596



16.1909, 30.7687, 60.6255



37.6066, 30.7687, 101.5427



# Rectangle

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



47.9130, 30.7687, 15.9840



33.6610, 30.7687, 4.6273



16.1909, 30.7687, 60.6255



25.2327, 30.7687, 109.2867

# Sweetspot

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



47.9137, 30.7704, 15.9845



74.8390, 70.2259, 69.3370



61.6543, 36.0459, 98.3154



15.4681, 14.2215, 13.7596



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.



47.9137, 30.7704, 15.9845



44.3840, 25.6629, 8.7898



57.9115, 51.1502, 18.1324



18.0326, 17.9964, 18.7890



21.5819, 11.1220, 1.1828



2.1092, 1.0860, 0.1563



# Inverse Universe

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



47.9137, 30.7704, 15.9845



44.3840, 25.6629, 8.7898



39.5598, 42.9199, 100.8067



18.0326, 17.9964, 18.7890



21.5819, 11.1220, 1.1828



2.1092, 1.0860, 0.1563



# Previews

## White Background



This preview shows how the XYZ color 47.9130, 30.7687, 15.9840 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

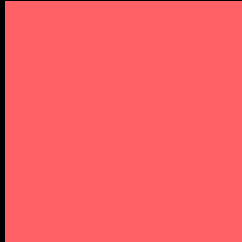
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.9130, 30.7687, 15.9840 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 47.9130, 30.7687, 15.9840**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.9130, 30.7687, 15.9840.



This preview shows how white text looks on a background with the XYZ color 47.9130, 30.7687,

15.9840.

# 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

47.9130, 30.7687, 15.9840

### Protanopia

29.0664, 30.9848, 23.8507

### Deuteranopia

31.2850, 30.6998, 14.8664



## Tritanopia

47.9629, 30.7887, 16.2468

# Trichromacy



## Original Color

47.9130, 30.7687, 15.9840

## Protanomaly

33.5753, 28.9863, 20.6549

## Deuteranomaly

36.0415, 29.5971, 15.1225

## Tritanomaly

47.9629, 30.7887, 16.2468

# Monochromacy



## Original Color

47.9130, 30.7687, 15.9840

## Achromatopsia

26.9133, 28.3149, 30.8349

## Achromatomaly

31.6892, 27.3376, 24.3754

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.9130, 30.7687, 15.9840 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, 97, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 97, 102)  
}
```

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, 97, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 97, 102) }
```

## Border

The CSS property to change the border of an element to XYZ 47.9130, 30.7687, 15.9840 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, 97, 102) }
```



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

```
.border{ border-color:rgb(255, 97, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 97, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 97, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 97, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 97,  
102) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.9130, 30.7687, 15.9840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 97, 102) }
```

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

```
.background{ background-color: rgb(255, 97,  
102) }
```

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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