

Converting Colors

XYZ(56.5853, 35.2947, 15.9403)

Have a look what the booklet for
XYZ(56.5853, 35.2947, 15.9403)
contains.

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Color

**XYZ(47.8149, 30.7295,
15.4678)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6164
RGB	255, 97, 100
RGB Percent	100%, 38%, 39%
CMY	0.0000, 0.6196, 0.6078
CMYK	0.00, 0.62, 0.61, 0.00
HSL	359°, 100%, 69%
HSV	359°, 62%, 100%
XYZ	47.8149, 30.7295, 15.4678
YIQ	144.5840, 93.2050, 34.4290

Conversions

Conversions Part 2

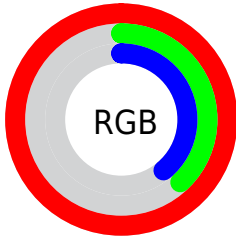
Format	Color
R _Y B	255, 97, 100
Decimal	16736612
CIE Lab	62.28, 60.25, 30.61
CIE LCh	62, 67.580, 26.930
Yxy	30.7295, 0.5086, 0.3269
Android (android.graphics.Color)	4294926692 (0xFFFF6164)
YUV	144.5840, -21.9799, 96.8348
Hunter-Lab	55.4342, 56.9558, 22.2603

Details

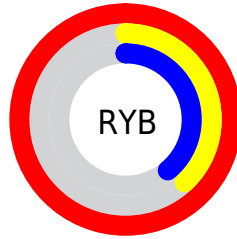
The XYZ color **47.8149, 30.7295, 15.4678** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **58.2627, 81.0903, 104.6839**, and the grayscale version is **26.8061, 28.2021, 30.7121**.

A 20% lighter version of the original color is **58.3815, 46.6056, 35.1969**, and **22.9819, 12.6656, 4.6016** is the 20% darker color. If you saturate the color by 10%, you get **44.7950, 26.3393, 9.3767**, and if you desaturate by 10%, it is **51.9649, 36.7856, 23.7695**.

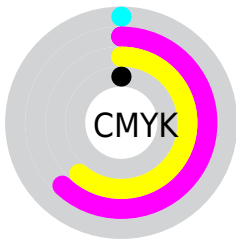
Distribution



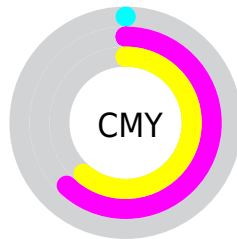
- Red (100%)
- Green (38%)
- Blue (39%)



- Red (100%)
- Yellow (38%)
- Blue (39%)



- Cyan (0%)
- Magenta (62%)
- Yellow (61%)
- Black (0%)





- Cyan (0%)
- Magenta (62%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.8149, 30.7295, 15.4678 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 47.8149, 30.7295, 15.4678 by changing the saturation by 10% instead.


 47.8149, 30.7295,
15.4678


 47.8149, 30.7295,
15.4678


368.6528,
305.2902, 237.9180

 33.8910, 20.3930,
8.9981


 86.1401, 60.8139,
36.4256


 22.9723, 12.6810,
4.6431


 111.2721, 81.3306,
51.7508

 14.6937, 7.2093,
1.9844


 140.8708,
106.0095, 70.8649

 8.6896, 3.5933,
0.5457

 175.3016,
135.2349, 94.1865

 4.5948, 1.4488,
0.0000

214.9299,
169.3913, 122.1340

 2.0438, 0.2523,
0.0000

260.1209,

 0.6584, 0.0000,

208.8631, 155.1261

0.0000

311.2401,
254.0346, 193.5812

■ 0.0000, 0.0000,
0.0000

■ 47.8149, 30.7295,
15.4678

■ 47.8149, 30.7295,
15.4678

■ 44.7950, 26.3393,
9.3767

■ 51.9649, 36.7856,
23.7695

■ 42.7921, 23.4446,
5.2837

■ 57.3390, 44.6459,
34.4644

■ 41.6739, 21.8483,
2.9375

■ 64.0243, 54.4401,
47.7180

■ 41.2662, 21.2704,
2.0692

■ 72.0989, 66.2846,
63.6804

■ 81.6350, 80.2866,
82.4905

92.7000, 96.5457,
104.2775

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.



50.4710, 30.7295, 36.2243



47.8149, 30.7295, 15.4678



39.8688, 30.7295, 6.5414

Triad

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



47.8149, 30.7295, 15.4678



16.8309, 30.7295, 12.8440



28.2775, 30.7295, 112.9272

Complementary

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



47.8149, 30.7295, 15.4678



58.2627, 81.0903, 104.6839

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.



20.6395, 30.7295, 95.7247



47.8149, 30.7295, 15.4678



14.9540, 30.7295, 30.8386

Square

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



47.8149, 30.7295, 15.4678



21.9583, 30.7295, 5.6758



16.1883, 30.7295, 61.7751



37.8986, 30.7295, 101.2535

Rectangle

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



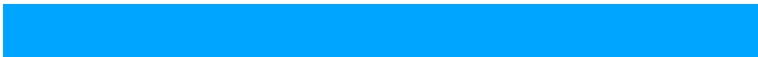
47.8149, 30.7295, 15.4678



33.3589, 30.7295, 4.4972



16.1883, 30.7295, 61.7751



25.4156, 30.7295, 110.1822

Sweetspot

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



47.8156, 30.7312, 15.4683



74.7636, 70.1958, 68.9400



61.6542, 36.0459, 98.3151



15.4504, 14.2144, 13.6662



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.



47.8156, 30.7312, 15.4683



44.3072, 25.6322, 8.3854



57.9114, 51.1502, 18.1324



18.0233, 17.9926, 18.7400



21.5686, 11.1167, 1.1129



2.1047, 1.0843, 0.1330

Inverse Universe

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



47.8156, 30.7312, 15.4683



44.3072, 25.6322, 8.3854



39.5598, 42.9200, 100.8065



18.0233, 17.9926, 18.7400



21.5686, 11.1167, 1.1129



2.1047, 1.0843, 0.1330

Previews

White Background



This preview shows how the XYZ color 47.8149, 30.7295, 15.4678 looks on a white background.

Color Contrast Check

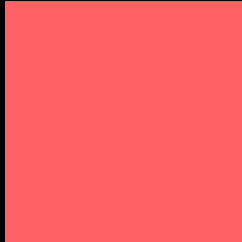
Large Text (above 18pt) WCAG AA × Fail

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 47.8149, 30.7295, 15.4678 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 47.8149, 30.7295, 15.4678

Background



This preview shows how black text looks on a background with the XYZ color 47.8149, 30.7295, 15.4678.



This preview shows how white text looks on a background with the XYZ color 47.8149, 30.7295,

15.4678.

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

47.8149, 30.7295, 15.4678

Protanopia

29.1390, 31.0369, 23.1938

Deuteranopia

31.4335, 30.7865, 14.4109



Tritanopia

47.9629, 30.7887, 16.2468

Trichromacy



Original Color

47.8149, 30.7295, 15.4678

Protanomaly

33.7165, 29.0725, 20.0542

Deuteranomaly

35.9494, 29.5603, 14.6374

Tritanomaly

47.9130, 30.7687, 15.9840

Monochromacy



Original Color

47.8149, 30.7295, 15.4678

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 47.8149, 30.7295, 15.4678 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, 100)` looks like.

```
.text, #text, p{  
    color:rgb(255, 97, 100)  
}
```

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, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 97, 100) }
```

Border

The CSS property to change the border of an element to XYZ 47.8149, 30.7295, 15.4678 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, 100) }
```


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

```
.border{ border-color:rgb(255, 97, 100) }
```

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, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 97, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 97, 100);  
box-shadow:4px 4px 4px 4px rgb(255, 97,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8149, 30.7295, 15.4678 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, 100) }
```

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

```
.background{ background-color: rgb(255, 97,  
100) }
```

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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