

Converting Colors

XYZ(51.3193, 33.7885, 12.4136)

Have a look what the booklet for
XYZ(51.3193, 33.7885, 12.4136)
contains.

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Color

**XYZ(47.9313, 32.0190,
12.2484)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6955
RGB	255, 105, 85
RGB Percent	100%, 41%, 33%
CMY	0.0000, 0.5882, 0.6667
CMYK	0.00, 0.59, 0.67, 0.00
HSL	7°, 100%, 67%
HSV	7°, 67%, 100%
XYZ	47.9313, 32.0190, 12.2484
YIQ	147.5700, 95.8200, 25.5800

Conversions

Conversions Part 2

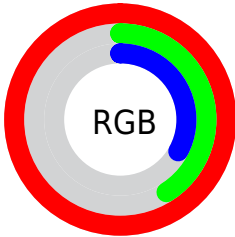
Format	Color
R _Y B	255, 108, 85
Decimal	16738645
CIE Lab	63.36, 55.92, 40.28
CIE LCh	63, 68.915, 35.765
Yxy	32.0190, 0.5199, 0.3473
Android (android.graphics.Color)	4294928725 (0xFFFF6955)
YUV	147.5700, -30.8470, 94.2161
Hunter-Lab	56.5853, 52.1763, 26.7759

Details

The XYZ color **47.9313, 32.0190, 12.2484** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted orange. A complement of this color would be **51.5023, 68.5632, 105.1268**, and the grayscale version is **28.0668, 29.5285, 32.1565**.

A 20% lighter version of the original color is **58.3580, 48.4990, 29.2071**, and **23.1614, 13.4669, 3.2981** is the 20% darker color. If you saturate the color by 10%, you get **45.0982, 27.6927, 7.1745**, and if you desaturate by 10%, it is **51.7368, 37.7069, 19.4467**.

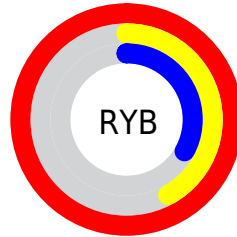
Distribution



Red (100%)

Green (41%)

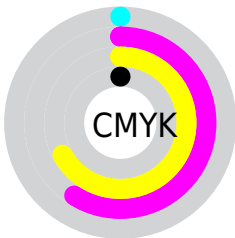
Blue (33%)



Red (100%)

Yellow (42%)

Blue (33%)

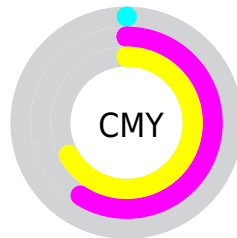


Cyan (0%)

Magenta (59%)

Yellow (67%)

Black (0%)



Cyan (0%)


Magenta (59%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.9313, 32.0190, 12.2484 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 47.9313, 32.0190, 12.2484 by changing the saturation by 10% instead.


 47.9313, 32.0190,
12.2484


 47.9313, 32.0190,
12.2484

369.1069,
311.2058, 217.0788


 33.9835, 21.3760,
6.7885


 86.3124, 62.8409,
30.6179

 23.0438, 13.3991,
3.2537


 111.4765, 83.7885,
44.3645


 14.7467, 7.7040,
1.2256


 141.1100,
108.9399, 61.7104

 8.7270, 3.9061,
0.0000

 175.5783,
138.6793, 83.0742

 4.6192, 1.6212,
0.0000

 215.2468,
173.3913, 108.8744

 2.0581, 0.3718,
0.0000

260.4808,

 0.6663, 0.0000,

213.4600, 139.5296

0.0000

311.6457,
259.2701, 175.4582

■ 0.0000, 0.0000,
0.0000

■ 47.9313, 32.0190,
12.2484

■ 47.9313, 32.0190,
12.2484

■ 45.0982, 27.6927,
7.1745

■ 51.7368, 37.7069,
19.4467

■ 43.1450, 24.6083,
3.9894

■ 56.5912, 44.8523,
28.9677


■ 41.9640, 22.6338,
2.4011

■ 62.5660, 53.5486,
40.9887

■ 41.7044, 22.1890,
2.0848

■ 69.7256, 63.8798,
55.6694

■ 78.1294, 75.9240,
73.1562

 87.8331, 89.7541,
93.5846

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.



52.6477, 32.0190, 29.8347



47.9313, 32.0190, 12.2484



38.6251, 32.0190, 5.5115

Triad

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



47.9313, 32.0190, 12.2484



16.5528, 32.0190, 17.4022



32.3185, 32.0190, 117.9290

Complementary

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



47.9313, 32.0190, 12.2484



51.5023, 68.5632, 105.1268

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.



23.4899, 32.0190, 108.3403



47.9313, 32.0190, 12.2484



15.5554, 32.0190, 40.4272

Square

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



47.9313, 32.0190, 12.2484



20.8986, 32.0190, 7.2079



17.8148, 32.0190, 75.6056



42.4994, 32.0190, 97.4576

Rectangle

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



47.9313, 32.0190, 12.2484



31.8117, 32.0190, 4.2980



17.8148, 32.0190, 75.6056



29.0949, 32.0190, 118.2056

Sweetspot

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



47.9320, 32.0208, 12.2489



75.1863, 71.7140, 67.0062



59.5078, 33.7649, 82.1042



15.5855, 14.6226, 13.2858



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.



47.9320, 32.0208, 12.2489



44.3543, 26.5325, 5.9155



61.2570, 58.6706, 16.6906



18.1815, 18.3312, 18.7243



21.8455, 11.7023, 1.1074



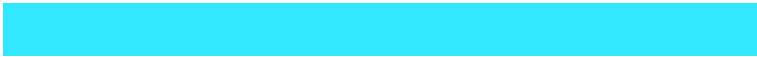
2.1796, 1.2445, 0.1253

Inverse Universe

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



51.5023, 68.5632, 105.1268



47.9885, 65.0703, 104.6383



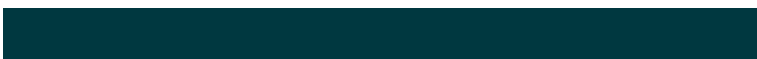
32.7294, 31.0174, 98.8692



18.3616, 20.0948, 23.1609



23.5713, 32.0523, 54.3790



2.3445, 3.2197, 5.3112

Previews

White Background



This preview shows how the XYZ color 47.9313, 32.0190, 12.2484 looks on a white background.

Color Contrast Check

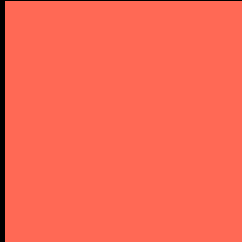
Large Text (above 18pt) WCAG AA × Fail

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 47.9313, 32.0190, 12.2484 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 47.9313, 32.0190, 12.2484

Background



This preview shows how black text looks on a background with the XYZ color 47.9313, 32.0190, 12.2484.



This preview shows how white text looks on a background with the XYZ color 47.9313, 32.0190,

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

47.9313, 32.0190, 12.2484

Protanopia

29.9401, 32.3060, 17.4896

Deuteranopia

32.6047, 31.9124, 11.4624



Tritanopia

48.8506, 32.0646, 18.0824

Trichromacy



Original Color

47.9313, 32.0190, 12.2484

Protanomaly

34.4687, 30.5950, 15.1551

Deuteranomaly

37.0048, 30.9579, 11.6145

Tritanomaly

48.4906, 32.0807, 15.6931

Monochromacy



Original Color

47.9313, 32.0190, 12.2484

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

32.4465, 28.5480, 23.2022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9313, 32.0190, 12.2484 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, 105, 85)` looks like.

```
.text, #text, p{  
    color:rgb(255, 105, 85)  
}
```

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, 105, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 105, 85) }
```

Border

The CSS property to change the border of an element to XYZ 47.9313, 32.0190, 12.2484 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, 105, 85) }
```


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

```
.border{ border-color:rgb(255, 105, 85) }
```

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

Here you see how a box with a 4 pixel rgb(255, 105, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 105, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 105, 85);  
box-shadow:4px 4px 4px 4px rgb(255, 105,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9313, 32.0190, 12.2484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 105, 85) }
```

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

```
.background{ background-color: rgb(255,  
105, 85) }
```

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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