

Converting Colors

XYZ(81.1067, 49.0329, 14.8013)

Have a look what the booklet for
XYZ(81.1067, 49.0329, 14.8013)
contains.

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Color

**XYZ(48.1370, 32.1013,
13.3319)**

Conversions

Conversions Part 1

Format	Color
Hex	FF695A
RGB	255, 105, 90
RGB Percent	100%, 41%, 35%
CMY	0.0000, 0.5882, 0.6471
CMYK	0.00, 0.59, 0.65, 0.00
HSL	5°, 100%, 68%
HSV	5°, 65%, 100%
XYZ	48.1370, 32.1013, 13.3319
YIQ	148.1400, 94.2150, 27.1350

Conversions

Conversions Part 2

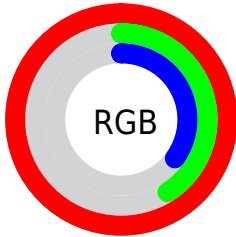
Format	Color
R _Y B	255, 107, 90
Decimal	16738650
CIE Lab	63.43, 56.19, 37.63
CIE LCh	63, 67.630, 33.807
Yxy	32.1013, 0.5144, 0.3431
Android (android.graphics.Color)	4294928730 (0xFFFF695A)
YUV	148.1400, -28.6630, 93.7162
Hunter-Lab	56.6580, 52.5032, 25.7094

Details

The XYZ color **48.1370, 32.1013, 13.3319** 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 **53.4238, 71.7085, 105.6325**, and the grayscale version is **28.2963, 29.7699, 32.4195**.

A 20% lighter version of the original color is **58.7926, 48.6728, 31.4954**, and **23.2498, 13.5022, 3.7637** is the 20% darker color. If you saturate the color by 10%, you get **45.1839, 27.6446, 7.8800**, and if you desaturate by 10%, it is **52.1071, 37.9971, 20.9590**.

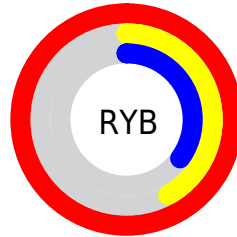
Distribution



Red (100%)

Green (41%)

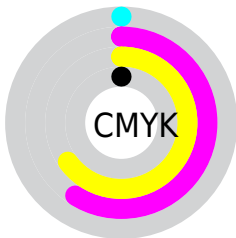
Blue (35%)



Red (100%)

Yellow (42%)

Blue (35%)

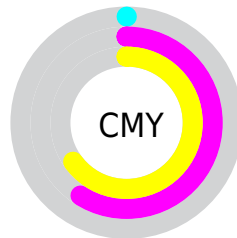


Cyan (0%)

Magenta (59%)

Yellow (65%)

Black (0%)



Cyan (0%)


Magenta (59%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1370, 32.1013, 13.3319 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 48.1370, 32.1013, 13.3319 by changing the saturation by 10% instead.


 48.1370, 32.1013,
13.3319


 48.1370, 32.1013,
13.3319

369.9085,
311.5804, 224.3160


 34.1471, 21.4389,
7.5241


 86.6168, 62.9699,
32.5987


 23.1700, 13.4452,
3.7086


 111.8374, 83.9448,
46.8947


 14.8405, 7.7358,
1.4669


 141.5323,
109.1260, 64.8572

 8.7931, 3.9264,
0.1931

 176.0669,
138.8980, 86.9048

 4.6625, 1.6325,
0.0000

 215.8064,
173.6450, 113.4559

 2.0833, 0.3793,
0.0000

261.1163,

 0.6801, 0.0000,

213.7515, 144.9291

0.0000

312.3618,
259.6018, 181.7429

■ 0.0000, 0.0000,
0.0000

■ 48.1370, 32.1013,
13.3319

■ 48.1370, 32.1013,
13.3319

■ 45.1839, 27.6446,
7.8800

■ 52.1071, 37.9971,
20.9590

■ 43.1519, 24.4983,
4.3738

■ 57.1738, 45.4355,
30.9561

■ 41.9305, 22.5200,
2.5347

■ 63.4113, 54.5167,
43.4983

■ 41.5500, 21.8804,
2.0334

■ 70.8869, 65.3310,
58.7435

■ 79.6624, 77.9619,
76.8370

89.7958, 92.4876,
97.9135

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.



52.3432, 32.1013, 31.6262



48.1370, 32.1013, 13.3319



39.2088, 32.1013, 6.0355

Triad

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



48.1370, 32.1013, 13.3319



16.9923, 32.1013, 16.7156



31.7277, 32.1013, 116.2679

Complementary

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



48.1370, 32.1013, 13.3319



53.4238, 71.7085, 105.6325

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.



23.2057, 32.1013, 105.0538



48.1370, 32.1013, 13.3319



15.7919, 32.1013, 38.5050

Square

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



48.1370, 32.1013, 13.3319



21.5159, 32.1013, 7.1656



17.8180, 32.1013, 72.4083



41.7183, 32.1013, 98.0547

Rectangle

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



48.1370, 32.1013, 13.3319



32.5039, 32.1013, 4.6100



17.8180, 32.1013, 72.4083



28.6019, 32.1013, 115.8495

Sweetspot

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



48.1378, 32.1031, 13.3324



75.7311, 72.3102, 68.7092



60.8105, 34.9381, 86.9532



15.6783, 14.7125, 13.6121



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.



48.1378, 32.1031, 13.3324



44.4179, 26.4697, 6.5223



60.6968, 57.2213, 17.5188



18.1422, 18.2526, 18.7112



21.7554, 11.5221, 1.0773



2.1611, 1.2075, 0.1192

Inverse Universe

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



53.4238, 71.7085, 105.6325



49.9440, 68.5787, 105.2124



34.6216, 34.1041, 99.3651



18.4053, 20.1822, 23.1754



24.5393, 33.9883, 54.7016



2.4289, 3.3885, 5.3393

Previews

White Background



This preview shows how the XYZ color 48.1370, 32.1013, 13.3319 looks on a white background.

Color Contrast Check

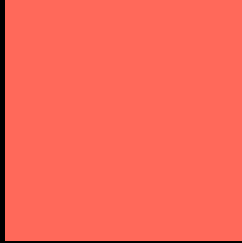
Large Text (above 18pt) WCAG AA × Fail

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 48.1370, 32.1013, 13.3319 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 48.1370, 32.1013, 13.3319

Background



This preview shows how black text looks on a background with the XYZ color 48.1370, 32.1013, 13.3319.



This preview shows how white text looks on a background with the XYZ color 48.1370, 32.1013,

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

48.1370, 32.1013, 13.3319

Protanopia

30.0418, 32.3223, 19.1235

Deuteranopia

32.9430, 32.2955, 12.4800



Tritanopia

48.9047, 32.0863, 18.3676

Trichromacy



Original Color

48.1370, 32.1013, 13.3319

Protanomaly

34.4911, 30.5734, 16.6537

Deuteranomaly

37.3315, 31.3045, 12.6691

Tritanomaly

48.6385, 32.1399, 16.4721

Monochromacy



Original Color

48.1370, 32.1013, 13.3319

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

32.5755, 28.5996, 23.8820

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1370, 32.1013, 13.3319 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, 90)` looks like.

```
.text, #text, p{  
    color:rgb(255, 105, 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, 105, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 105, 90) }
```

Border

The CSS property to change the border of an element to XYZ 48.1370, 32.1013, 13.3319 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, 90) }
```


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

```
.border{ border-color:rgb(255, 105, 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, 105, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 105, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 105, 90);  
box-shadow:4px 4px 4px 4px rgb(255, 105,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1370, 32.1013, 13.3319 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, 90) }
```

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

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