

Converting Colors

XYZ(55.6114, 36.3143, 16.6466)

Have a look what the booklet for
XYZ(55.6114, 36.3143, 16.6466)
contains.

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Color

**XYZ(49.0008, 32.9444,
16.3467)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6C66
RGB	255, 108, 102
RGB Percent	100%, 42%, 40%
CMY	0.0000, 0.5764, 0.6000
CMYK	0.00, 0.58, 0.60, 0.00
HSL	2°, 100%, 70%
HSV	2°, 60%, 100%
XYZ	49.0008, 32.9444, 16.3467
YIQ	151.2690, 89.5380, 29.2980

Conversions

Conversions Part 2

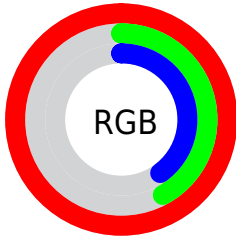
Format	Color
R_{YB}	255, 108, 102
Decimal	16739430
CIE _{Lab}	64.12, 55.59, 31.83
CIE _{LCh}	64, 64.063, 29.796
Yxy	32.9444, 0.4985, 0.3352
Android (android.graphics.Color)	4294929510 (0xFFFF6C66)
YUV	151.2690, -24.2896, 90.9721
Hunter-Lab	57.3972, 51.9428, 23.2923

Details

The XYZ color **49.0008, 32.9444, 16.3467** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **57.4026, 77.7909, 106.5969**, and the grayscale version is **29.6058, 31.1476, 33.9198**.

A 20% lighter version of the original color is **60.2652, 50.1108, 36.6330**, and **23.6116, 13.8500, 5.0433** is the 20% darker color. If you saturate the color by 10%, you get **45.6942, 28.0536, 9.9357**, and if you desaturate by 10%, it is **53.4235, 39.4458, 25.0484**.

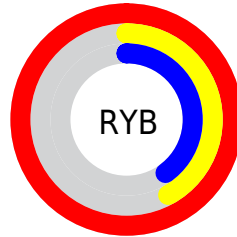
Distribution



Red (100%)

Green (42%)

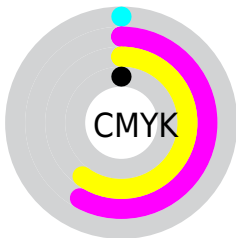
Blue (40%)



Red (100%)

Yellow (42%)

Blue (40%)

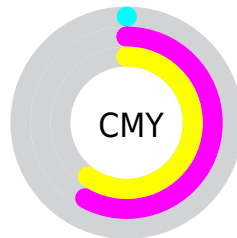


Cyan (0%)

Magenta (58%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (58%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0008, 32.9444, 16.3467 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 49.0008, 32.9444, 16.3467 by changing the saturation by 10% instead.


 49.0008, 32.9444,
16.3467


 49.0008, 32.9444,
16.3467

373.2624,
315.3991, 243.2941

 34.8347, 22.0839,
9.6128


 87.8934, 64.2887,
37.9742


 23.7015, 13.9185,
5.0408


 113.3505, 85.5413,
53.7049

 15.2358, 8.0640,
2.2120


 143.3020,
111.0266, 73.2716

 9.0725, 4.1359,
0.6813

 178.1132,
141.1292, 97.0928

 4.8460, 1.7499,
0.0000

218.1495,
176.2333, 125.5871

 2.1910, 0.4557,
0.0000

263.7762,

 0.7380, 0.0000,

216.7234, 159.1731

0.0000

315.3587,
262.9839, 198.2692

■ 0.0000, 0.0000,
0.0000

■ 49.0008, 32.9444,
16.3467

■ 49.0008, 32.9444,
16.3467

■ 45.6942, 28.0536,
9.9357

■ 53.4235, 39.4458,
25.0484

■ 43.4019, 24.6280,
5.5983

■ 59.0476, 47.6759,
36.2276

■ 42.0075, 22.5059,
3.0783

■ 65.9527, 57.7478,
50.0540

■ 41.3485, 21.4773,
1.9663

■ 74.2111, 69.7638,
66.6817

■ 41.3484, 21.4772,
1.9662

■ 83.8894, 83.8185,
86.2530

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.



52.1721, 32.9444, 36.0485



49.0008, 32.9444, 16.3467



40.9233, 32.9444, 7.7163

Triad

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



49.0008, 32.9444, 16.3467



18.5374, 32.9444, 16.1655



31.2508, 32.9444, 112.5045

Complementary

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



49.0008, 32.9444, 16.3467



57.4026, 77.7909, 106.5969

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.



23.3384, 32.9444, 98.6031



49.0008, 32.9444, 16.3467



16.9190, 32.9444, 35.6938

Square

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



49.0008, 32.9444, 16.3467



23.4267, 32.9444, 7.6528



18.4937, 32.9444, 66.8263



40.7952, 32.9444, 98.9515

Rectangle

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



49.0008, 32.9444, 16.3467



34.5023, 32.9444, 5.7605



18.4937, 32.9444, 66.8263



28.3259, 32.9444, 110.8223

Sweetspot

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



49.0016, 32.9462, 16.3473



76.0310, 72.4084, 70.3555



63.2308, 37.6587, 94.2960



15.7110, 14.6805, 13.9230



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.



49.0016, 32.9462, 16.3473



45.1581, 27.2559, 8.9096



60.6956, 56.3343, 20.2453



18.0666, 18.1013, 18.6860



21.6303, 11.2718, 1.0356



2.1253, 1.1360, 0.1072

Inverse Universe

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



57.4026, 77.7909, 106.5969



54.1810, 75.5809, 106.3407



38.5500, 40.0857, 100.3127



18.4901, 20.3519, 23.2037



26.5181, 37.9457, 55.3612



2.6003, 3.7312, 5.3964

Previews

White Background



This preview shows how the XYZ color 49.0008, 32.9444, 16.3467 looks on a white background.

Color Contrast Check

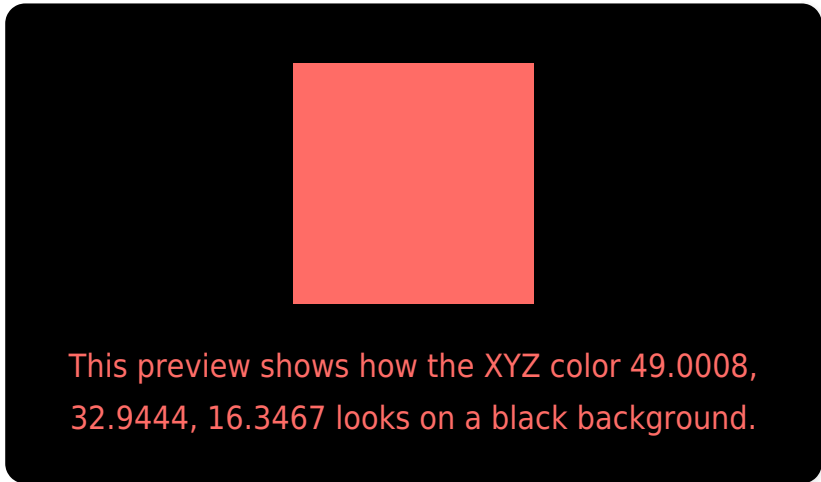
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 49.0008, 32.9444, 16.3467

Background



This preview shows how black text looks on a background with the XYZ color 49.0008, 32.9444, 16.3467.



This preview shows how white text looks on a background with the XYZ color 49.0008, 32.9444,

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

49.0008, 32.9444, 16.3467

Protanopia

30.9601, 32.9548, 23.1415

Deuteranopia

33.7993, 33.1399, 15.4417



Tritanopia

49.5350, 32.9903, 19.6766

Trichromacy



Original Color

49.0008, 32.9444, 16.3467

Protanomaly

35.4717, 31.4205, 20.4149

Deuteranomaly

38.1703, 32.0782, 15.7352

Tritanomaly

49.3122, 32.9012, 18.5034

Monochromacy



Original Color

49.0008, 32.9444, 16.3467

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

33.8839, 29.8402, 26.1642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0008, 32.9444, 16.3467 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, 108, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 108, 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, 108, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 108, 102) }
```

Border

The CSS property to change the border of an element to XYZ 49.0008, 32.9444, 16.3467 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, 108, 102) }
```


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

```
.border{ border-color:rgb(255, 108, 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, 108, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 108, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 108, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 108,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0008, 32.9444, 16.3467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 108, 102) }
```

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

```
.background{ background-color: rgb(255,  
108, 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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