

Converting Colors

XYZ(58.7871, 37.0900, 11.8353)

Have a look what the booklet for
XYZ(58.7871, 37.0900, 11.8353)
contains.

XYZ(47.3789, 31.1614, 11.3022)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.3789, 31.1614,
11.3022)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6551
RGB	255, 101, 81
RGB Percent	100%, 40%, 32%
CMY	0.0000, 0.6039, 0.6823
CMYK	0.00, 0.60, 0.68, 0.00
HSL	7°, 100%, 66%
HSV	7°, 68%, 100%
XYZ	47.3789, 31.1614, 11.3022
YIQ	144.7660, 98.2040, 26.4280

Conversions

Conversions Part 2

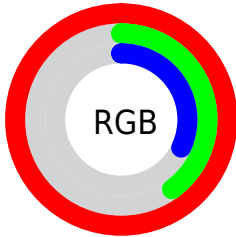
Format	Color
R_{YB}	255, 104, 81
Decimal	16737617
CIE _{Lab}	62.64, 57.47, 41.60
CIE _{LCh}	63, 70.942, 35.900
Yxy	31.1614, 0.5274, 0.3468
Android (android.graphics.Color)	4294927697 (0xFFFF6551)
YUV	144.7660, -31.4366, 96.6752
Hunter-Lab	55.8224, 53.8115, 27.0714

Details

The XYZ color **47.3789, 31.1614, 11.3022** 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 **51.1492, 68.3810, 105.1103**, and the grayscale version is **26.9155, 28.3172, 30.8374**.

A 20% lighter version of the original color is **57.3937, 47.0126, 27.5221**, and **22.6172, 12.8536, 2.8791** is the 20% darker color. If you saturate the color by 10%, you get **44.6973, 27.0523, 6.5435**, and if you desaturate by 10%, it is **51.0222, 36.6205, 18.1520**.

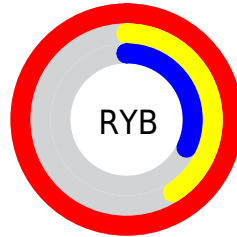
Distribution



Red (100%)

Green (40%)

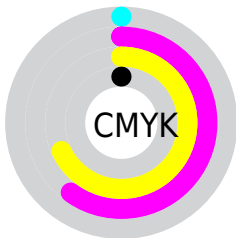
Blue (32%)



Red (100%)

Yellow (41%)

Blue (32%)

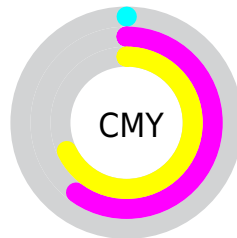


Cyan (0%)

Magenta (60%)

Yellow (68%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.3789, 31.1614, 11.3022 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 47.3789, 31.1614, 11.3022 by changing the saturation by 10% instead.


 47.3789, 31.1614,
11.3022


 47.3789, 31.1614,
11.3022


366.9486,
307.2812, 210.5406

 33.5445, 20.7218,
6.1538


 85.4942, 61.4941,
28.8628


 22.7051, 12.9208,
2.8685

 110.5059, 82.1560,
42.1120

 14.4954, 7.3740,
1.0279


 139.9740,
106.9940, 58.8986

 8.5500, 3.6971,
0.0000

 174.2638,
136.3927, 79.6411

 4.5036, 1.5056,
0.0000

 213.7409,
170.7363, 104.7579

 1.9908, 0.2927,
0.0000

258.7705,

 0.6288, 0.0000,

210.4094, 134.6678

0.0000

309.7179,
255.7962, 169.7892

■ 0.0000, 0.0000,
0.0000

■ 47.3789, 31.1614,
11.3022

■ 47.3789, 31.1614,
11.3022

■ 44.6973, 27.0523,
6.5435

■ 51.0222, 36.6205,
18.1520

■ 42.8822, 24.1698,
3.6335

■ 55.7059, 43.5283,
27.2959


■ 41.8168, 22.3745,
2.2440

■ 61.5030, 51.9804,
38.9146

■ 41.6871, 22.1545,
2.0791

■ 68.4791, 62.0627,
53.1703

■ 76.6947, 73.8548,
70.2112

 86.2064, 87.4309,
90.1748

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.



52.2327, 31.1614, 28.7440



47.3789, 31.1614, 11.3022



37.8783, 31.1614, 4.8371

Triad

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



47.3789, 31.1614, 11.3022



15.6797, 31.1614, 16.4986



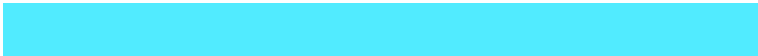
31.5710, 31.1614, 119.2553

Complementary

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



47.3789, 31.1614, 11.3022



51.1492, 68.3810, 105.1103

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.



22.6554, 31.1614, 109.4579



47.3789, 31.1614, 11.3022



14.7044, 31.1614, 39.7038

Square

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



47.3789, 31.1614, 11.3022



19.9974, 31.1614, 6.4903



16.9642, 31.1614, 75.7180



41.9148, 31.1614, 97.9349

Rectangle

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



47.3789, 31.1614, 11.3022



30.9674, 31.1614, 3.7088



16.9642, 31.1614, 75.7180



28.3083, 31.1614, 119.5929

Sweetspot

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



47.3796, 31.1632, 11.3027



75.1522, 71.6460, 66.9948



59.5561, 33.2945, 83.8683



15.5775, 14.6066, 13.2832



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.



47.3796, 31.1632, 11.3027



43.9179, 25.8299, 5.2454



60.1578, 56.7196, 15.5621



18.1775, 18.3232, 18.7230



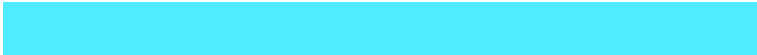
21.8355, 11.6823, 1.1041



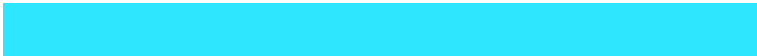
2.1777, 1.2408, 0.1247

Inverse Universe

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



51.1492, 68.3810, 105.1103



47.7357, 64.9254, 104.6237



32.4458, 30.9742, 98.8758



18.3660, 20.1037, 23.1624



23.6675, 32.2446, 54.4110



2.3529, 3.2365, 5.3140

Previews

White Background



This preview shows how the XYZ color 47.3789, 31.1614, 11.3022 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 47.3789, 31.1614, 11.3022 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 47.3789, 31.1614, 11.3022

Background



This preview shows how black text looks on a background with the XYZ color 47.3789, 31.1614, 11.3022.



This preview shows how white text looks on a background with the XYZ color 47.3789, 31.1614,

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

47.3789, 31.1614, 11.3022

Protanopia

28.9974, 31.3567, 16.3285

Deuteranopia

31.8215, 31.2966, 10.6670



Tritanopia

48.2516, 31.2036, 16.8444

Trichromacy



Original Color

47.3789, 31.1614, 11.3022

Protanomaly

33.6080, 29.5535, 14.0583

Deuteranomaly

36.3061, 30.2194, 10.7569

Tritanomaly

47.9085, 31.2189, 14.5671

Monochromacy



Original Color

47.3789, 31.1614, 11.3022

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

31.3707, 27.4199, 22.0515

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3789, 31.1614, 11.3022 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, 101, 81)` looks like.

```
.text, #text, p{  
    color:rgb(255, 101, 81)  
}
```

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, 101, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 101, 81) }
```

Border

The CSS property to change the border of an element to XYZ 47.3789, 31.1614, 11.3022 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, 101, 81) }
```


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

```
.border{ border-color:rgb(255, 101, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 101, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 101, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 101, 81);  
box-shadow:4px 4px 4px 4px rgb(255, 101,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3789, 31.1614, 11.3022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 101, 81) }
```

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

```
.background{ background-color: rgb(255,  
101, 81) }
```

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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