

Converting Colors

XYZ(47.8839, 30.9819, 15.1374)

Have a look what the booklet for
XYZ(47.8839, 30.9819, 15.1374)
contains.

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Color

**XYZ(47.9540, 31.0845,
15.2768)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6363
RGB	255, 99, 99
RGB Percent	100%, 39%, 39%
CMY	0.0000, 0.6117, 0.6118
CMYK	0.00, 0.61, 0.61, 0.00
HSL	0°, 100%, 69%
HSV	0°, 61%, 100%
XYZ	47.9540, 31.0845, 15.2768
YIQ	145.6440, 92.9760, 33.0720

Conversions

Conversions Part 2

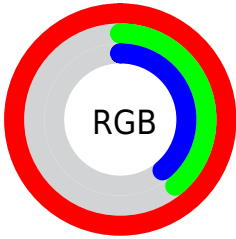
Format	Color
R _Y B	255, 99, 99
Decimal	16737123
CIE Lab	62.58, 59.34, 31.56
CIE LCh	63, 67.211, 28.002
Yxy	31.0845, 0.5084, 0.3296
Android (android.graphics.Color)	4294927203 (0xFFFF6363)
YUV	145.6440, -22.9955, 95.9052
Hunter-Lab	55.7535, 55.9607, 22.7816

Details

The XYZ color **47.9540, 31.0845, 15.2768** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **58.9527, 81.3869, 107.2095**, and the grayscale version is **27.2416, 28.6603, 31.2111**.

A 20% lighter version of the original color is **58.4664, 46.9047, 34.8262**, and **23.0836, 12.9054, 4.5232** is the 20% darker color. If you saturate the color by 10%, you get **44.8754, 26.5801, 9.1560**, and if you desaturate by 10%, it is **52.1812, 37.2708, 23.6790**.

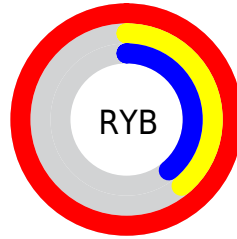
Distribution



Red (100%)

Green (39%)

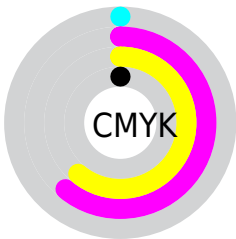
Blue (39%)



Red (100%)

Yellow (39%)

Blue (39%)

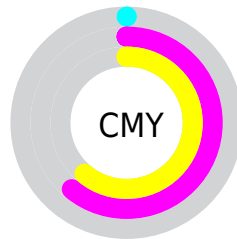


Cyan (0%)

Magenta (61%)

Yellow (61%)

Black (0%)



Cyan (0%)


Magenta (61%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.9540, 31.0845, 15.2768 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 47.9540, 31.0845, 15.2768 by changing the saturation by 10% instead.


 47.9540, 31.0845,
15.2768


 47.9540, 31.0845,
15.2768

369.1954,
306.9274, 236.7338


 34.0016, 20.6632,
8.8651


 86.3460, 61.3731,
36.0872


 23.0577, 12.8780,
4.5577


 111.5163, 82.0092,
51.3230

 14.7570, 7.3446,
1.9360


 141.1566,
106.8189, 70.3372

 8.7343, 3.6785,
0.5155

 175.6322,
136.1868, 93.5484

 4.6240, 1.4954,
0.0000

215.3086,
170.4972, 121.3751

 2.0608, 0.2855,
0.0000

260.5510,

 0.6678, 0.0000,

210.1345, 154.2359

0.0000

311.7248,
255.4831, 192.5492

■ 0.0000, 0.0000,
0.0000

■ 47.9540, 31.0845,
15.2768

■ 47.9540, 31.0845,
15.2768

■ 44.8754, 26.5801,
9.1560

■ 52.1812, 37.2708,
23.6790

■ 42.8308, 23.5882,
5.0919

■ 57.6523, 45.2767,
34.5551

■ 41.6864, 21.9135,
2.8172

■ 64.4554, 55.2317,
48.0793

■ 41.2400, 21.2602,
1.9300

■ 72.6700, 67.2519,
64.4095

■ 82.3692, 81.4446,
83.6912

93.6212, 97.9094,
106.0599

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.



50.8390, 31.0845, 35.6326



47.9540, 31.0845, 15.2768



39.8792, 31.0845, 6.5792

Triad

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



47.9540, 31.0845, 15.2768



16.9981, 31.0845, 13.5559



28.9359, 31.0845, 113.2705

Complementary

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



47.9540, 31.0845, 15.2768



58.9527, 81.3869, 107.2095

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.



21.1706, 31.0845, 97.0575



47.9540, 31.0845, 15.2768



15.2227, 31.0845, 32.1197

Square

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



47.9540, 31.0845, 15.2768



22.0326, 31.0845, 6.0072



16.5775, 31.0845, 63.4315



38.5959, 31.0845, 100.6457

Rectangle

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



47.9540, 31.0845, 15.2768



33.3540, 31.0845, 4.6161



16.5775, 31.0845, 63.4315



26.0374, 31.0845, 110.8939

Sweetspot

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



47.9547, 31.0862, 15.2773



75.5866, 71.5197, 70.2074



63.7517, 37.4037, 98.4669



15.6055, 14.4695, 13.8879



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.



47.9547, 31.0862, 15.2773



44.4291, 25.9269, 8.2686



59.2142, 53.6051, 19.0305



18.0095, 17.9873, 18.6670



21.5489, 11.1090, 1.0085



2.0982, 1.0817, 0.0982

Inverse Universe

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



58.9527, 81.3869, 107.2095



56.2503, 79.9932, 107.0833



38.9178, 41.3170, 100.5312



18.5549, 20.4813, 23.2253



28.1146, 41.1387, 55.8934



2.7374, 4.0056, 5.4421

Previews

White Background



This preview shows how the XYZ color 47.9540, 31.0845, 15.2768 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 47.9540, 31.0845, 15.2768 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 47.9540, 31.0845, 15.2768

Background



This preview shows how black text looks on a background with the XYZ color 47.9540, 31.0845, 15.2768.



This preview shows how white text looks on a background with the XYZ color 47.9540, 31.0845,

15.2768.

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

47.9540, 31.0845, 15.2768

Protanopia

29.2157, 31.0908, 22.5504

Deuteranopia

31.7809, 31.1965, 14.2440



Tritanopia

48.1575, 31.0153, 16.8130

Trichromacy



Original Color

47.9540, 31.0845, 15.2768

Protanomaly

33.7376, 29.2969, 19.4995

Deuteranomaly

36.3179, 29.9481, 14.4561

Tritanomaly

48.0559, 30.9746, 16.2778

Monochromacy



Original Color

47.9540, 31.0845, 15.2768

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

32.0624, 27.7246, 24.4304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9540, 31.0845, 15.2768 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, 99, 99)` looks like.

```
.text, #text, p{  
    color:rgb(255, 99, 99)  
}
```

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, 99, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 99) }
```

Border

The CSS property to change the border of an element to XYZ 47.9540, 31.0845, 15.2768 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, 99, 99) }
```


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

```
.border{ border-color:rgb(255, 99, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 99, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 99);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9540, 31.0845, 15.2768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 99, 99) }
```

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

```
.background{ background-color: rgb(255, 99,  
99) }
```

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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