

Converting Colors

XYZ(48.1041, 31.3043, 15.5753)

Have a look what the booklet for
XYZ(48.1041, 31.3043, 15.5753)
contains.

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Color

**XYZ(48.0974, 31.2944,
15.5620)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6464
RGB	255, 100, 100
RGB Percent	100%, 39%, 39%
CMY	0.0000, 0.6078, 0.6078
CMYK	0.00, 0.61, 0.61, 0.00
HSL	0°, 100%, 70%
HSV	0°, 61%, 100%
XYZ	48.0974, 31.2944, 15.5620
YIQ	146.3450, 92.3800, 32.8600

Conversions

Conversions Part 2

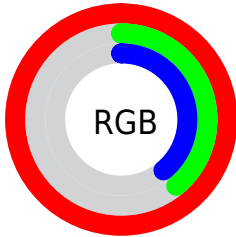
Format	Color
R_{YB}	255, 100, 100
Decimal	16737380
CIE Lab	62.76, 58.98, 31.22
CIE LCh	63, 66.731, 27.892
Yxy	31.2944, 0.5065, 0.3296
Android (android.graphics.Color)	4294927460 (0xFFFF6464)
YUV	146.3450, -22.8481, 95.2904
Hunter-Lab	55.9414, 55.5736, 22.6655

Details

The XYZ color **48.0974, 31.2944, 15.5620** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **59.0626, 81.4435, 107.2145**, and the grayscale version is **27.5288, 28.9625, 31.5401**.

A 20% lighter version of the original color is **58.7144, 47.2713, 35.3078**, and **23.1396, 12.9811, 4.6542** is the 20% darker color. If you saturate the color by 10%, you get **44.9758, 26.7271, 9.3558**, and if you desaturate by 10%, it is **52.3716, 37.5496, 24.0577**.

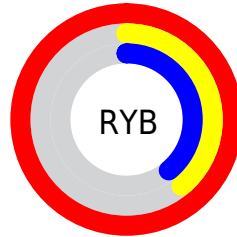
Distribution



Red (100%)

Green (39%)

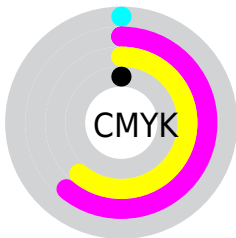
Blue (39%)



Red (100%)

Yellow (39%)

Blue (39%)

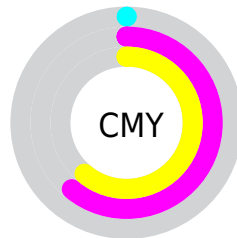


Cyan (0%)

Magenta (61%)

Yellow (61%)

Black (0%)



Cyan (0%)


Magenta (61%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.0974, 31.2944, 15.5620 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 48.0974, 31.2944, 15.5620 by changing the saturation by 10% instead.


 48.0974, 31.2944,
15.5620


 48.0974, 31.2944,
15.5620


369.7542,
307.8923, 238.4999


 34.1156, 20.8231,
9.0638


 86.5582, 61.7033,
36.5923

 23.1457, 12.9948,
4.6854


 111.7680, 82.4097,
51.9614

 14.8224, 7.4249,
2.0084


 141.4510,
107.2966, 71.1246

 8.7804, 3.7293,
0.5604

 175.9728,
136.7484, 94.5003

 4.6542, 1.5233,
0.0000

215.6987,
171.1494, 122.5072

 2.0785, 0.3050,
0.0000

260.9940,

 0.6775, 0.0000,

210.8842, 155.5637

0.0000

312.2240,
256.3370, 194.0884

■ 0.0000, 0.0000,
0.0000

■ 48.0974, 31.2944,
15.5620

■ 48.0974, 31.2944,
15.5620

■ 44.9758, 26.7271,
9.3558

■ 52.3716, 37.5496,
24.0577

■ 42.8930, 23.6793,
5.2157

■ 57.8934, 45.6296,
35.0345

■ 41.7162, 21.9572,
2.8767

■ 64.7504, 55.6634,
48.6659

■ 41.2399, 21.2602,
1.9300

■ 73.0219, 67.7669,
65.1092

■ 82.7807, 82.0469,
84.5094

94.0950, 98.6027,
107.0018

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.



50.9428, 31.2944, 35.9556



48.0974, 31.2944, 15.5620



40.0759, 31.2944, 6.7772

Triad

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



48.0974, 31.2944, 15.5620



17.2229, 31.2944, 13.7402



29.1039, 31.2944, 112.9682

Complementary

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



48.0974, 31.2944, 15.5620



59.0626, 81.4435, 107.2145

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.



21.3612, 31.2944, 96.7990



48.0974, 31.2944, 15.5620



15.4331, 31.2944, 32.2598

Square

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



48.0974, 31.2944, 15.5620



22.2699, 31.2944, 6.1669



16.7785, 31.2944, 63.3925



38.7281, 31.2944, 100.5527

Rectangle

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



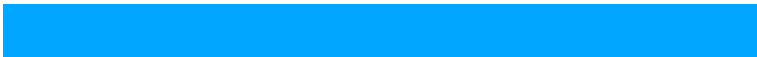
48.0974, 31.2944, 15.5620



33.5775, 31.2944, 4.7770



16.7785, 31.2944, 63.3925



26.2147, 31.2944, 110.5761

Sweetspot

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



48.0981, 31.2961, 15.5625



75.5866, 71.5197, 70.2074



63.8469, 37.5944, 98.4986



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.



48.0981, 31.2961, 15.5625



44.4291, 25.9269, 8.2686



59.3612, 53.8222, 19.3169



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.



59.0626, 81.4435, 107.2145



56.2504, 79.9932, 107.0833



39.1266, 41.5716, 100.5692



18.5549, 20.4813, 23.2253



28.1146, 41.1388, 55.8934



2.7374, 4.0056, 5.4421

Previews

White Background



This preview shows how the XYZ color 48.0974, 31.2944, 15.5620 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 48.0974, 31.2944, 15.5620 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 48.0974, 31.2944, 15.5620

Background



This preview shows how black text looks on a background with the XYZ color 48.0974, 31.2944, 15.5620.



This preview shows how white text looks on a background with the XYZ color 48.0974, 31.2944,

15.5620.

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

48.0974, 31.2944, 15.5620

Protanopia

29.6414, 31.5430, 22.9385

Deuteranopia

31.8243, 31.2139, 14.4728



Tritanopia

48.3034, 31.2243, 17.1167

Trichromacy



Original Color

48.0974, 31.2944, 15.5620

Protanomaly

34.1897, 29.7257, 19.8552

Deuteranomaly

36.4942, 30.2284, 14.7377

Tritanomaly

48.2005, 31.1832, 16.5752

Monochromacy



Original Color

48.0974, 31.2944, 15.5620

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 48.0974, 31.2944, 15.5620 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, 100, 100)` looks like.

```
.text, #text, p{  
    color:rgb(255, 100, 100)  
}
```

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, 100, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 100, 100) }
```

Border

The CSS property to change the border of an element to XYZ 48.0974, 31.2944, 15.5620 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, 100, 100) }
```


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

```
.border{ border-color:rgb(255, 100, 100) }
```

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

Here you see how a box with a 4 pixel rgb(255, 100, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 100, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 100, 100);  
box-shadow:4px 4px 4px 4px rgb(255, 100,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0974, 31.2944, 15.5620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 100, 100) }
```

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

```
.background{ background-color: rgb(255,  
100, 100) }
```

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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