

Converting Colors

XYZ(38.9819, 46.8751, 24.8446)

Have a look what the booklet for
XYZ(38.9819, 46.8751, 24.8446)
contains.

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Color

**XYZ(39.0372, 47.0672,
24.7967)**

Conversions

Conversions Part 1

Format	Color
Hex	ADBE78
RGB	173, 190, 120
RGB Percent	68%, 75%, 47%
CMY	0.3216, 0.2549, 0.5294
CMYK	0.09, 0.00, 0.37, 0.25
HSL	75°, 35%, 61%
HSV	75°, 37%, 75%
XYZ	39.0372, 47.0672, 24.7967
YIQ	176.9370, 12.3380, -25.3740

Conversions

Conversions Part 2

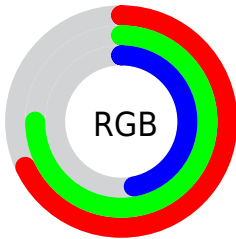
Format	Color
RYB	120, 190, 137
Decimal	11386488
CIELab	74.23, -17.27, 33.44
CIELCh	74, 37.635, 117.316
Yxy	47.0672, 0.3520, 0.4244
Android (android.graphics.Color)	4289576568 (0xFFADBE78)
YUV	176.9370, -28.0699, -3.4527
Hunter-Lab	68.6055, -18.4915, 26.5942

Details

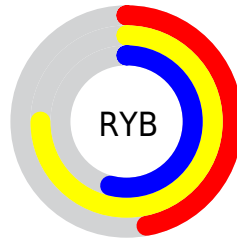
The XYZ color **39.0372, 47.0672, 24.7967** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **26.3291, 22.4703, 51.6674**, and the grayscale version is **41.8961, 44.0779, 48.0009**.

A 20% lighter version of the original color is **72.8117, 85.5867, 52.2175**, and **17.7969, 22.3266, 9.1658** is the 20% darker color. If you saturate the color by 10%, you get **36.9940, 46.1357, 19.2676**, and if you desaturate by 10%, it is **41.3469, 48.1126, 31.5345**.

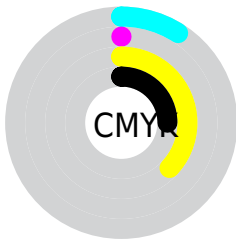
Distribution



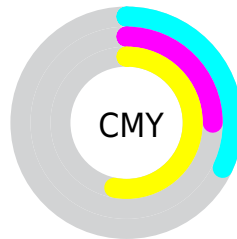
- Red (68%)
- Green (75%)
- Blue (47%)



- Red (47%)
- Yellow (75%)
- Blue (54%)



- Cyan (9%)
- Magenta (0%)
- Yellow (37%)
- Black (25%)





- Cyan (32%)
- Magenta (25%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.0372, 47.0672, 24.7967 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 39.0372, 47.0672, 24.7967 by changing the saturation by 10% instead.


 39.0372, 47.0672,
24.7967


 39.0372, 47.0672,
24.7967


333.2531,
375.0827, 290.2392

 26.9695, 33.0888,
15.7080


 72.9888, 85.8139,
52.2872

 17.6868, 22.1945,
9.1657


 95.6035, 111.3510,
71.5262

 10.8237, 13.9999,
4.7511


 122.4646,
141.5098, 94.9856

 6.0148, 8.1206,
2.0458

153.9374,
176.6746, 123.0841

 2.8948, 4.1722,
0.5832

190.3873,
217.2300, 156.2401

 1.0984, 1.7703,
0.0000

232.1796,

 0.0238, 0.4686,

263.5602, 194.8723

0.0000

279.6798,
316.0496, 239.3991

■ 0.0000, 0.0000,
0.0000

■ 39.0372, 47.0672,
24.7967

■ 39.0372, 47.0672,
24.7967

■ 36.9940, 46.1357,
19.2676

■ 41.3469, 48.1126,
31.5345

■ 35.1998, 45.3061,
14.8726

■ 43.9323, 49.2709,
39.5439

■ 33.6403, 44.5745,
11.5334


■ 46.8066, 50.5488,
48.8867


■ 32.2982, 43.9338,
9.1607


■ 49.9809, 51.9510,
59.6202


■ 31.1534, 43.3758,
7.6501


■ 53.4658, 53.4816,
71.7980


 30.1787, 42.8898,
6.8603

 57.2713, 55.1447,
85.4710

 29.8899, 42.7447,
6.6752

 61.4069, 56.9441,
100.6878

 63.0211, 57.7394,
102.4310

 64.3536, 58.4263,
102.4933

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.3469, 47.0672, 22.3509



39.0372, 47.0672, 24.7967



34.6717, 47.0672, 33.6734

Triad

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



39.0372, 47.0672, 24.7967



38.0832, 47.0672, 89.3578



59.0026, 47.0672, 53.0097

Complementary

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



39.0372, 47.0672, 24.7967



26.3291, 22.4703, 51.6674

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.



56.5806, 47.0672, 74.0704



39.0372, 47.0672, 24.7967



44.1306, 47.0672, 98.1006

Square

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



39.0372, 47.0672, 24.7967



34.1611, 47.0672, 70.2805



50.9640, 47.0672, 91.9049



57.2948, 47.0672, 36.0053

Rectangle

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



39.0372, 47.0672, 24.7967



33.2247, 47.0672, 43.5077



50.9640, 47.0672, 91.9049



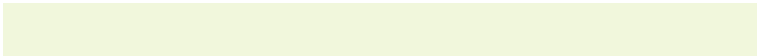
58.6393, 47.0672, 59.8563

Sweetspot

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



39.0384, 47.0693, 24.7977



82.4921, 90.5658, 80.9416



33.4782, 30.0070, 21.7974



17.9576, 19.8176, 17.2640



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.0384, 47.0693, 24.7977



67.7851, 83.9443, 36.8713



32.3971, 43.6456, 24.4869



10.0897, 11.0006, 10.1682



19.9475, 28.4592, 4.4418



0.8368, 1.1433, 0.1766

Inverse Universe

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



26.3291, 22.4703, 51.6674



41.5126, 33.0567, 92.4718



32.8796, 25.8472, 51.9739



9.2278, 9.3343, 11.9875



6.9945, 2.8919, 32.5824



0.3351, 0.1448, 1.2791

Previews

White Background



This preview shows how the XYZ color 39.0372, 47.0672, 24.7967 looks on a white background.

Color Contrast Check

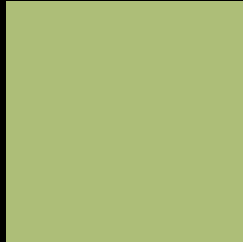
Large Text (above 18pt) WCAG AA × Fail

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 39.0372, 47.0672, 24.7967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

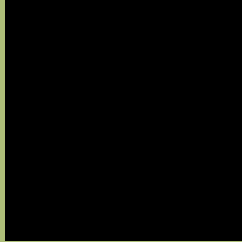
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.0372, 47.0672, 24.7967

Background



This preview shows how black text looks on a background with the XYZ color 39.0372, 47.0672, 24.7967.



This preview shows how white text looks on a background with the XYZ color 39.0372, 47.0672,

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

39.0372, 47.0672, 24.7967

Protanopia

43.2275, 46.7460, 23.5742

Deuteranopia

47.6246, 46.6076, 25.2250



Tritanopia

45.9026, 47.0552, 58.2930

Trichromacy



Original Color

39.0372, 47.0672, 24.7967

Protanomaly

41.6052, 46.8247, 23.9848

Deuteranomaly

44.1912, 46.6042, 25.0787

Tritanomaly

42.7988, 46.6918, 43.8025

Monochromacy



Original Color

39.0372, 47.0672, 24.7967

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

40.6332, 45.0863, 38.0134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.0372, 47.0672, 24.7967 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(173, 190, 120)` looks like.

```
.text, #text, p{  
    color:rgb(173, 190, 120)  
}
```

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(173, 190, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 190, 120) }
```

Border

The CSS property to change the border of an element to XYZ 39.0372, 47.0672, 24.7967 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(173, 190, 120) }
```


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

```
.border{ border-color:rgb(173, 190, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 190, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 190, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 190, 120);  
box-shadow:4px 4px 4px 4px rgb(173, 190,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 39.0372, 47.0672, 24.7967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 190, 120) }
```

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

```
.background{ background-color: rgb(173,  
190, 120) }
```

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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