

Converting Colors

XYZ(39.4431, 47.3144, 8.6281)

Have a look what the booklet for
XYZ(39.4431, 47.3144, 8.6281)
contains.

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Color

**XYZ(39.4872, 47.3354,
8.6455)**

Conversions

Conversions Part 1

Format	Color
Hex	BDBD23
RGB	189, 189, 35
RGB Percent	74%, 74%, 14%
CMY	0.2588, 0.2588, 0.8627
CMYK	0.00, 0.00, 0.81, 0.26
HSL	60°, 69%, 44%
HSV	60°, 81%, 74%
XYZ	39.4872, 47.3354, 8.6455
YIQ	171.4440, 49.4340, -47.8940

Conversions

Conversions Part 2

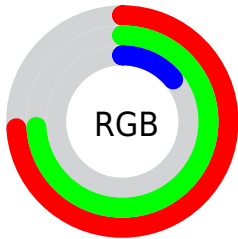
Format	Color
RYB	35, 189, 35
Decimal	12434723
CIELab	74.40, -16.59, 69.91
CIELCh	74, 71.847, 103.347
Yxy	47.3354, 0.4136, 0.4958
Android (android.graphics.Color)	4290624803 (0xFFBDBD23)
YUV	171.4440, -67.2669, 15.3966
Hunter-Lab	68.8007, -17.9537, 40.7101

Details

The XYZ color **39.4872, 47.3354, 8.6455** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **10.4807, 5.2344, 48.6051**, and the grayscale version is **39.2444, 41.2882, 44.9628**.

A 20% lighter version of the original color is **73.8306, 86.2891, 23.8305**, and **18.1642, 22.4336, 3.3728** is the 20% darker color. If you saturate the color by 10%, you get **39.2789, 47.2539, 7.5451**, and if you desaturate by 10%, it is **39.8487, 47.4818, 10.5433**.

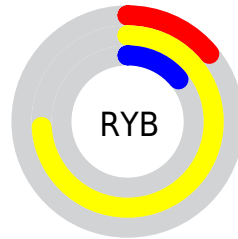
Distribution



Red (74%)

Green (74%)

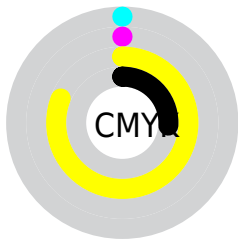
Blue (14%)



Red (14%)

Yellow (74%)

Blue (14%)

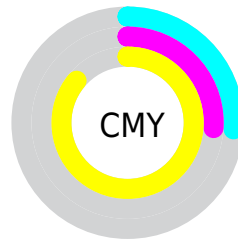


Cyan (0%)

Magenta (0%)

Yellow (81%)

Black (26%)



Cyan (26%)


Magenta (26%)


Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.4872, 47.3354, 8.6455 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 39.4872, 47.3354, 8.6455 by changing the saturation by 10% instead.


 39.4872, 47.3354,
8.6455


 39.4872, 47.3354,
8.6455


335.1290,
376.1517, 190.8305

 27.3214, 33.3009,
4.4170


 73.6713, 86.2141,
23.7812

 17.9526, 22.3570,
1.8568


 96.4203, 111.8270,
35.5256


 11.0154, 14.1195,
0.4650


 123.4278,
142.0682, 50.6123

 6.1446, 8.2038,
0.0000

 155.0590,
177.3220, 69.4599

 2.9747, 4.2256,
0.0000

 191.6794,
217.9729, 92.4870

 1.1404, 1.8006,
0.0000

 233.6543,

 0.0585, 0.4875,

264.4052, 120.1122

0.0000

281.3491,
317.0033, 152.7538

■ 0.0000, 0.0000,
0.0000

■ 39.4872, 47.3354,
8.6455

■ 39.4872, 47.3354,
8.6455

■ 39.2789, 47.2539,
7.5451

■ 39.8487, 47.4818,
10.5433

■ 39.1844, 47.2160,
7.0484

■ 40.3814, 47.6949,
13.3477

■ 41.1044, 47.9841,
17.1540

■ 42.0333, 48.3557,
22.0445

■ 43.1822, 48.8153,
28.0933

■ 44.5638, 49.3679,
35.3677

■ 46.1900, 50.0184,
43.9301

■ 48.0717, 50.7712,
53.8384

■ 50.2195, 51.6303,
65.1472

Harmonies

Analogous

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



52.5063, 47.3354, 8.9733



39.4872, 47.3354, 8.6455



29.9795, 47.3354, 15.1428

Triad

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



39.4872, 47.3354, 8.6455



29.2115, 47.3354, 117.5731



73.2927, 47.3354, 74.7824

Complementary

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



39.4872, 47.3354, 8.6455



10.4807, 5.2344, 48.6051

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.



64.3260, 47.3354, 122.6852



39.4872, 47.3354, 8.6455



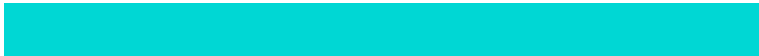
38.2292, 47.3354, 154.4157

Square

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



39.4872, 47.3354, 8.6455



24.8611, 47.3354, 69.8054



50.9836, 47.3354, 156.6386



73.8085, 47.3354, 36.7763

Rectangle

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



39.4872, 47.3354, 8.6455



26.2131, 47.3354, 25.7236



50.9836, 47.3354, 156.6386



71.0989, 47.3354, 90.5790

Sweetspot

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



39.4883, 47.3376, 8.6465



79.0456, 88.1072, 59.3214



21.8923, 12.1434, 2.7807



16.8077, 18.8708, 11.7528



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



39.4883, 47.3376, 8.6465



70.2018, 84.5694, 12.7641



25.1851, 39.9641, 7.9771



10.3222, 11.1205, 10.1791



26.3629, 31.7664, 4.7421



1.0327, 1.2443, 0.1858

Inverse Universe

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



10.4807, 5.2344, 48.6051



16.5655, 6.7183, 86.6499



16.4700, 8.3220, 48.8854



9.0166, 9.2254, 11.9777



6.1802, 2.4721, 32.5443



0.2421, 0.0968, 1.2748

Previews

White Background



This preview shows how the XYZ color 39.4872, 47.3354, 8.6455 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 39.4872, 47.3354, 8.6455 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 39.4872, 47.3354, 8.6455

Background



This preview shows how black text looks on a background with the XYZ color 39.4872, 47.3354, 8.6455.

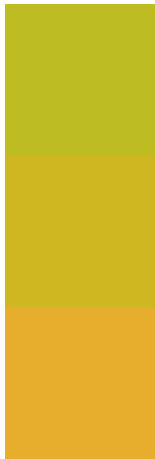


This preview shows how white text looks on a background with the XYZ color 39.4872, 47.3354,

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

39.4872, 47.3354, 8.6455

Protanopia

42.6616, 47.0986, 8.2813

Deuteranopia

48.2238, 47.2769, 8.9666



Tritanopia

48.9070, 47.1859, 55.2453

Trichromacy



Original Color

39.4872, 47.3354, 8.6455

Protanomaly

41.4571, 47.0928, 8.4182

Deuteranomaly

44.5447, 46.8474, 8.7925

Tritanomaly

43.8529, 46.6393, 29.2452

Monochromacy



Original Color

39.4872, 47.3354, 8.6455

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

37.7933, 42.7109, 24.6645

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4872, 47.3354, 8.6455 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(189, 189, 35)` looks like.

```
.text, #text, p{  
    color:rgb(189, 189, 35)  
}
```

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(189, 189, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 189, 35) }
```

Border

The CSS property to change the border of an element to XYZ 39.4872, 47.3354, 8.6455 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(189, 189, 35) }
```


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

```
.border{ border-color:rgb(189, 189, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 189, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 189, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 189, 35);  
box-shadow:4px 4px 4px 4px rgb(189, 189,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4872, 47.3354, 8.6455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 189, 35) }
```

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

```
.background{ background-color: rgb(189,  
189, 35) }
```

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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