

Converting Colors

XYZ(38.8872, 48.9797, 24.2341)

Have a look what the booklet for
XYZ(38.8872, 48.9797, 24.2341)
contains.

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Color

**XYZ(38.8872, 48.9797,
24.2341)**

Conversions

Conversions Part 1

Format	Color
Hex	A7C475
RGB	167, 196, 117
RGB Percent	65%, 77%, 46%
CMY	0.3451, 0.2314, 0.5412
CMYK	0.15, 0.00, 0.40, 0.23
HSL	82°, 40%, 61%
HSV	82°, 40%, 77%
XYZ	38.8872, 48.9797, 24.2341
YIQ	178.3230, 8.0750, -30.7170

Conversions

Conversions Part 2

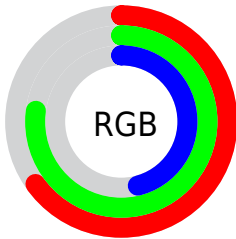
Format	Color
RYB	117, 196, 146
Decimal	10994805
CIELab	75.44, -22.95, 36.45
CIELCh	75, 43.069, 122.192
Yxy	48.9797, 0.3469, 0.4369
Android (android.graphics.Color)	4289184885 (0xFFA7C475)
YUV	178.3230, -30.2322, -9.9303
Hunter-Lab	69.9855, -23.2917, 28.4593

Details

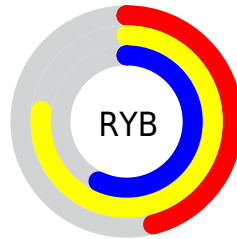
The XYZ color **38.8872, 48.9797, 24.2341** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **28.1811, 22.8204, 55.1468**, and the grayscale version is **42.6413, 44.8620, 48.8547**.

A 20% lighter version of the original color is **72.8124, 88.8408, 51.3406**, and **17.6256, 23.3287, 8.8841** is the 20% darker color. If you saturate the color by 10%, you get **36.3756, 47.8059, 18.7180**, and if you desaturate by 10%, it is **41.7272, 50.2979, 31.0270**.

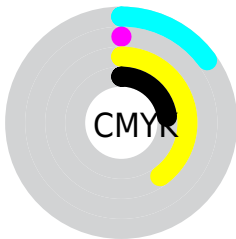
Distribution



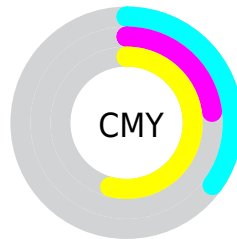
- Red (65%)
- Green (77%)
- Blue (46%)



- Red (46%)
- Yellow (77%)
- Blue (57%)



- Cyan (15%)
- Magenta (0%)
- Yellow (40%)
- Black (23%)



- Cyan (35%)
- Magenta (23%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8872, 48.9797, 24.2341 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 38.8872, 48.9797, 24.2341 by changing the saturation by 10% instead.

■ 38.8872, 48.9797,
24.2341

■ 38.8872, 48.9797,
24.2341

332.6261,
382.6624, 287.3265

■ 26.8523, 34.6034,
15.2936

■ 72.7611, 88.6613,
51.3606

■ 17.5984, 23.3575,
8.8768

■ 95.3309, 114.7354,
70.3836

■ 10.7600, 14.8577,
4.5652

■ 122.1430,
145.4775, 93.6045

■ 5.9718, 8.7196,
1.9402

153.5628,
181.2720, 121.4418

■ 2.8684, 4.5587,
0.5182

189.9557,
222.5034, 154.3142

■ 1.0846, 1.9908,
0.0000

231.6869,

■ 0.0121, 0.6021,

269.5560, 192.6400

0.0000

279.1220,
322.8142, 236.8379

■ 0.0000, 0.0000,
0.0000

■ 38.8872, 48.9797,
24.2341

■ 38.8872, 48.9797,
24.2341

■ 36.3756, 47.8059,
18.7180

■ 41.7272, 50.2979,
31.0270

■ 34.1721, 46.7634,
14.3956

■ 44.9071, 51.7604,
39.1667

■ 32.2597, 45.8468,
11.1789


■ 48.4423, 53.3750,
48.7218


■ 30.6177, 45.0475,
8.9663


■ 52.3459, 55.1472,
59.7552


■ 29.2218, 44.3559,
7.6375


■ 56.6305, 57.0822,
72.3263

 28.0597, 43.7704,
6.9696

 61.3078, 59.1848,
86.4910

 66.3893, 61.4596,
102.3024

 68.7077, 62.6401,
103.0772

 70.9931, 63.8182,
103.1842

Harmonies

Analogous

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



45.9725, 48.9797, 20.4925



38.8872, 48.9797, 24.2341



34.3173, 48.9797, 35.4283

Triad

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



38.8872, 48.9797, 24.2341



39.7907, 48.9797, 102.0856



63.5302, 48.9797, 51.6765

Complementary

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



38.8872, 48.9797, 24.2341



28.1811, 22.8204, 55.1468

Split Complementary

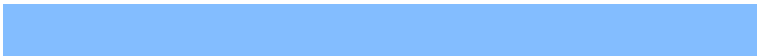
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



61.3997, 48.9797, 76.4303



38.8872, 48.9797, 24.2341



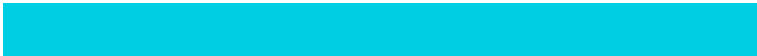
47.1398, 48.9797, 110.0151

Square

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



38.8872, 48.9797, 24.2341



34.7958, 48.9797, 80.1698



55.1670, 48.9797, 99.5303



60.7005, 48.9797, 33.2695

Rectangle

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



38.8872, 48.9797, 24.2341



33.0114, 48.9797, 47.6100



55.1670, 48.9797, 99.5303



63.3699, 48.9797, 59.4919

Sweetspot

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



38.8884, 48.9819, 24.2351



86.4959, 96.1148, 84.7990



36.2514, 33.5693, 21.3992



18.3272, 20.4875, 17.6407



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.



38.8884, 48.9819, 24.2351



66.5624, 86.9133, 35.3134



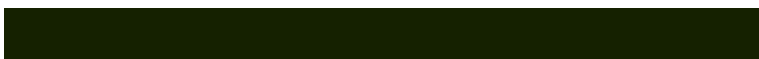
31.7844, 45.3196, 23.9027



10.5433, 11.5675, 10.7389



18.1260, 28.1731, 4.4826



0.8569, 1.2553, 0.1971

Inverse Universe

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



28.1811, 22.8204, 55.1468



44.6369, 33.2960, 98.6819



36.4473, 27.0818, 55.5336



9.8697, 9.9240, 12.6802



8.2046, 3.4901, 33.7978



0.4306, 0.1900, 1.4639

Previews

White Background



This preview shows how the XYZ color 38.8872, 48.9797, 24.2341 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 38.8872, 48.9797, 24.2341 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 38.8872, 48.9797, 24.2341

Background



This preview shows how black text looks on a background with the XYZ color 38.8872, 48.9797, 24.2341.



This preview shows how white text looks on a background with the XYZ color 38.8872, 48.9797,

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

38.8872, 48.9797, 24.2341

Protanopia

44.9582, 48.5867, 22.6314

Deuteranopia

49.6048, 48.5127, 24.8386



Tritanopia

46.4616, 48.7998, 62.2289

Trichromacy



Original Color

38.8872, 48.9797, 24.2341

Protanomaly

42.4701, 48.5572, 23.0537

Deuteranomaly

45.1593, 48.3336, 24.7185

Tritanomaly

43.1247, 48.7279, 45.1627

Monochromacy



Original Color

38.8872, 48.9797, 24.2341

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.8053, 46.0969, 38.1994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8872, 48.9797, 24.2341 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(167, 196, 117)` looks like.

```
.text, #text, p{  
    color:rgb(167, 196, 117)  
}
```

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(167, 196, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 196, 117) }
```

Border

The CSS property to change the border of an element to XYZ 38.8872, 48.9797, 24.2341 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(167, 196, 117) }
```


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

```
.border{ border-color:rgb(167, 196, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 196, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 196, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 196, 117); box-shadow:4px 4px 4px 4px rgb(167, 196, 117) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8872, 48.9797, 24.2341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 196, 117) }
```

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

```
.background{ background-color: rgb(167,  
196, 117) }
```

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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