

Converting Colors

XYZ(38.6893, 48.6122, 23.5983)

Have a look what the booklet for
XYZ(38.6893, 48.6122, 23.5983)
contains.

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Color

**XYZ(38.5460, 48.4835,
23.5463)**

Conversions

Conversions Part 1

Format	Color
Hex	A7C373
RGB	167, 195, 115
RGB Percent	65%, 76%, 45%
CMY	0.3451, 0.2353, 0.5490
CMYK	0.14, 0.00, 0.41, 0.24
HSL	81°, 40%, 61%
HSV	81°, 41%, 76%
XYZ	38.5460, 48.4835, 23.5463
YIQ	177.5080, 8.9920, -30.8160

Conversions

Conversions Part 2

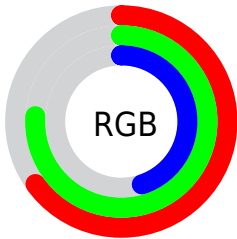
Format	Color
R_{YB}	115, 195, 143
Decimal	10994547
CIE Lab	75.13, -22.70, 37.07
CIE LCh	75, 43.469, 121.479
Yxy	48.4835, 0.3486, 0.4385
Android (android.graphics.Color)	4289184627 (0xFFA7C373)
YUV	177.5080, -30.8164, -9.2155
Hunter-Lab	69.6301, -23.0382, 28.6914

Details

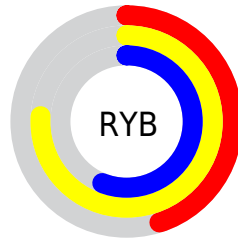
The XYZ color **38.5460, 48.4835, 23.5463** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **27.3106, 22.0425, 54.4477**, and the grayscale version is **42.2123, 44.4106, 48.3632**.

A 20% lighter version of the original color is **72.3097, 88.1359, 50.2466**, and **17.4184, 23.0088, 8.5241** is the 20% darker color. If you saturate the color by 10%, you get **36.1367, 47.3592, 18.1831**, and if you desaturate by 10%, it is **41.2713, 49.7463, 30.1653**.

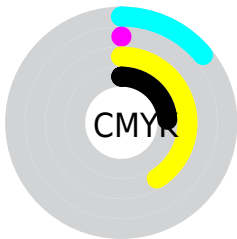
Distribution



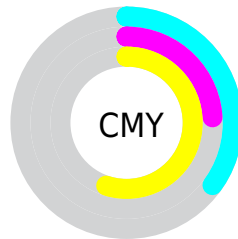
- Red (65%)
- Green (76%)
- Blue (45%)



- Red (45%)
- Yellow (76%)
- Blue (56%)



- Cyan (14%)
- Magenta (0%)
- Yellow (41%)
- Black (24%)



- Cyan (35%)
- Magenta (24%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5460, 48.4835, 23.5463 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 38.5460, 48.4835, 23.5463 by changing the saturation by 10% instead.

■ 38.5460, 48.4835,
23.5463

■ 38.5460, 48.4835,
23.5463

331.1969,
380.7054, 283.7309

■ 26.5859, 34.2099,
14.7883

■ 72.2428, 87.9239,
50.2233

■ 17.3974, 23.0549,
8.5260

■ 94.7101, 113.8594,
68.9794

■ 10.6153, 14.6341,
4.3408

■ 121.4106,
144.4511, 91.9054

■ 5.8742, 8.5630,
1.8141

152.7095,
180.0834, 119.4196

■ 2.8086, 4.4572,
0.4372

188.9722,
221.1405, 151.9408

■ 1.0534, 1.9325,
0.0000

230.5641,

■ 0.0000, 0.5678,

268.0070, 189.8874

0.0000

277.8506,
321.0671, 233.6779

■ 0.0000, 0.0000,
0.0000

■ 38.5460, 48.4835,
23.5463

■ 38.5460, 48.4835,
23.5463

■ 36.1367, 47.3592,
18.1831

■ 41.2713, 49.7463,
30.1653

■ 34.0234, 46.3603,
13.9929

■ 44.3238, 51.1472,
38.1095

■ 32.1894, 45.4817,
10.8882


■ 47.7185, 52.6941,
47.4471


■ 30.6142, 44.7149,
8.7676


■ 51.4685, 54.3923,
58.2405


■ 29.2737, 44.0503,
7.5107


■ 55.5860, 56.2468,
70.5486

 28.2306, 43.5247,
6.9132

 60.0824, 58.2623,
84.4267

 64.9689, 60.4433,
99.9276

 67.5705, 61.7201,
102.9596

 69.6990, 62.8173,
103.0592

Harmonies

Analogous

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



45.6885, 48.4835, 19.9867



38.5460, 48.4835, 23.5463



33.9045, 48.4835, 34.5111

Triad

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



38.5460, 48.4835, 23.5463



39.1562, 48.4835, 101.4048



63.1304, 48.4835, 51.6677

Complementary

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



38.5460, 48.4835, 23.5463



27.3106, 22.0425, 54.4477

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.



60.8739, 48.4835, 76.5970



38.5460, 48.4835, 23.5463



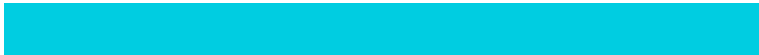
46.4780, 48.4835, 109.8219

Square

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



38.5460, 48.4835, 23.5463



34.2272, 48.4835, 79.1344



54.5415, 48.4835, 99.6678



60.3999, 48.4835, 33.0569

Rectangle

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



38.5460, 48.4835, 23.5463



32.5474, 48.4835, 46.5603



54.5415, 48.4835, 99.6678



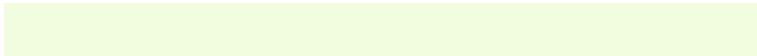
62.9286, 48.4835, 59.5526

Sweetspot

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



38.5472, 48.4856, 23.5473



84.7227, 94.0361, 82.9023



35.4244, 32.4864, 20.6238



18.3700, 20.5096, 17.6427



0.0000, 0.0000, 0.0000



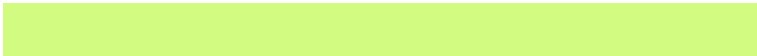
20.3446, 21.4041, 23.3091

Same Dimension

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



38.5472, 48.4856, 23.5473



65.2346, 85.0593, 33.6615



31.3635, 44.7823, 23.2111



10.5602, 11.5762, 10.7397



18.4411, 28.3356, 4.4974



0.8690, 1.2615, 0.1977

Inverse Universe

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



27.3106, 22.0425, 54.4477



42.4836, 31.4677, 96.3045



35.5113, 26.2701, 54.8314



9.8535, 9.9156, 12.6794



8.0462, 3.4084, 33.7904



0.4228, 0.1860, 1.4635

Previews

White Background



This preview shows how the XYZ color 38.5460, 48.4835, 23.5463 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 38.5460, 48.4835, 23.5463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

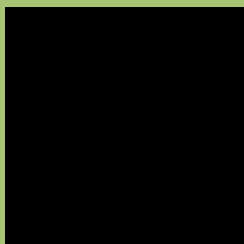
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

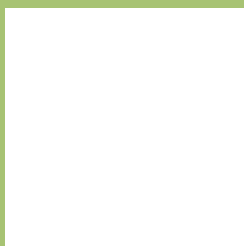
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.5460, 48.4835, 23.5463

Background



This preview shows how black text looks on a background with the XYZ color 38.5460, 48.4835, 23.5463.



This preview shows how white text looks on a background with the XYZ color 38.5460, 48.4835,

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

38.5460, 48.4835, 23.5463

Protanopia

44.5753, 48.4022, 22.0321

Deuteranopia

48.9793, 47.9122, 24.1192



Tritanopia

46.1344, 48.3330, 61.5412

Trichromacy



Original Color

38.5460, 48.4835, 23.5463

Protanomaly

42.1085, 48.3839, 22.4489

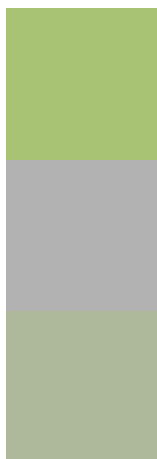
Deuteranomaly

44.5606, 47.7315, 24.0041

Tritanomaly

42.8146, 48.2584, 44.5944

Monochromacy



Original Color

38.5460, 48.4835, 23.5463

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.5124, 45.6462, 37.6857

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5460, 48.4835, 23.5463 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, 195, 115)` looks like.

```
.text, #text, p{  
    color:rgb(167, 195, 115)  
}
```

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, 195, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 195, 115) }
```

Border

The CSS property to change the border of an element to XYZ 38.5460, 48.4835, 23.5463 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, 195, 115) }
```


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

```
.border{ border-color:rgb(167, 195, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 195, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 195, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 195, 115);  
box-shadow:4px 4px 4px 4px rgb(167, 195,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5460, 48.4835, 23.5463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 195, 115) }
```

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

```
.background{ background-color: rgb(167,  
195, 115) }
```

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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