

Converting Colors

XYZ(39.0486, 50.4047, 46.7354)

Have a look what the booklet for
XYZ(39.0486, 50.4047, 46.7354)
contains.

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Color

**XYZ(38.9805, 50.2408,
46.6727)**

Conversions

Conversions Part 1

Format	Color
Hex	8BC9AC
RGB	139, 201, 172
RGB Percent	55%, 79%, 67%
CMY	0.4549, 0.2117, 0.3255
CMYK	0.31, 0.00, 0.14, 0.21
HSL	152°, 36%, 67%
HSV	152°, 31%, 79%
XYZ	38.9805, 50.2408, 46.6727
YIQ	179.1560, -27.6430, -22.1630

Conversions

Conversions Part 2

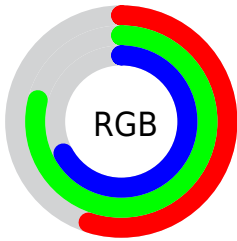
Format	Color
RYB	139, 179, 201
Decimal	9161132
CIELab	76.22, -26.00, 8.20
CIELCh	76, 27.264, 162.506
Yxy	50.2408, 0.2868, 0.3697
Android (android.graphics.Color)	4287351212 (0xFF8BC9AC)
YUV	179.1560, -3.5279, -35.2168
Hunter-Lab	70.8807, -25.8761, 10.5760

Details

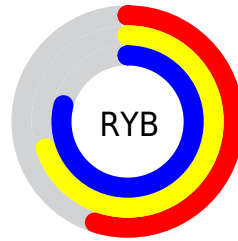
The XYZ color **38.9805, 50.2408, 46.6727** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.3896, 33.7111, 41.4260**, and the grayscale version is **42.9608, 45.1981, 49.2207**.

A 20% lighter version of the original color is **71.8733, 88.5354, 85.9740**, and **17.7544, 24.2497, 21.5142** is the 20% darker color. If you saturate the color by 10%, you get **35.0568, 48.3201, 41.9415**, and if you desaturate by 10%, it is **43.5879, 52.5093, 51.7716**.

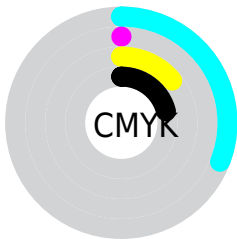
Distribution



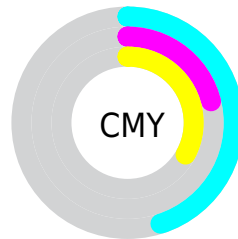
- Red (55%)
- Green (79%)
- Blue (67%)



- Red (55%)
- Yellow (70%)
- Blue (79%)



- Cyan (31%)
- Magenta (0%)
- Yellow (14%)
- Black (21%)





- Cyan (45%)
- Magenta (21%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9805, 50.2408, 46.6727 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 38.9805, 50.2408, 46.6727 by changing the saturation by 10% instead.

 38.9805, 50.2408,
46.6727


 38.9805, 50.2408,
46.6727


333.0162,
387.6069, 389.8624


 26.9252, 35.6048,
32.4245

 72.9028, 90.5316,
86.5697

 17.6534, 24.1291,
21.4184


 95.5005, 116.9551,
113.0556

 10.7996, 15.4294,
13.2360


 122.3431,
148.0765, 144.4578

 5.9985, 9.1213,
7.4586

153.7958,
184.2803, 181.1949

 2.8848, 4.8204,
3.6678

190.2242,
225.9509, 223.6853

 1.0932, 2.1423,
1.4449

231.9935,

 0.0194, 0.6882,

273.4725, 272.3477

0.1764

279.4690,
327.2297, 327.6006

■ 0.0000, 0.0000,
0.0000

■ 38.9805, 50.2408,
46.6727

■ 38.9805, 50.2408,
46.6727

■ 35.0568, 48.3201,
41.9415

■ 43.5879, 52.5093,
51.7716

■ 31.7775, 46.7230,
37.5660

■ 48.9075, 55.1360,
57.2430

■ 29.1055, 45.4319,
33.5387


■ 54.9709, 58.1386,
63.0959


■ 26.9981, 44.4250,
29.8501


■ 61.8069, 61.5316,
69.3379


■ 25.4065, 43.6772,
26.4903

■ 69.4424, 65.3288,
75.9764


 24.2730, 43.1590,
23.4489

 76.1888, 68.6596,
82.9383

 23.5404, 42.8363,
20.9324

 77.5333, 69.1974,
90.0182

 78.9500, 69.7641,
97.4780

 80.1776, 70.2551,
103.9425

Harmonies

Analogous

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



41.4162, 50.2408, 36.4698



38.9805, 50.2408, 46.6727



38.7875, 50.2408, 61.0263

Triad

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



38.9805, 50.2408, 46.6727



49.9118, 50.2408, 87.0331



55.3687, 50.2408, 37.8077

Complementary

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



38.9805, 50.2408, 46.6727



40.3896, 33.7111, 41.4260

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.



58.0020, 50.2408, 48.8336



38.9805, 50.2408, 46.6727



54.7039, 50.2408, 78.1827

Square

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



38.9805, 50.2408, 46.6727



44.8590, 50.2408, 86.1719



57.7504, 50.2408, 63.6068



50.7675, 50.2408, 32.0144

Rectangle

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



38.9805, 50.2408, 46.6727



39.9358, 50.2408, 71.2625



57.7504, 50.2408, 63.6068



56.5277, 50.2408, 40.9319

Sweetspot

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



38.9819, 50.2429, 46.6738



85.4243, 95.2319, 99.6782



41.9035, 52.0709, 32.2690



17.9729, 20.2295, 21.0272



0.0000, 0.0000, 0.0000



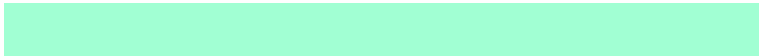
20.3446, 21.4041, 23.3091

Same Dimension

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



38.9819, 50.2429, 46.6738



62.1286, 83.7572, 74.4326



41.8383, 51.0013, 62.8999



10.7294, 11.9807, 12.5254



14.8474, 26.9513, 13.4067



0.7394, 1.2907, 0.8263

Inverse Universe

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



40.3896, 33.7111, 41.4260



64.9171, 51.0249, 64.0479



38.1320, 33.0487, 28.7961



10.8369, 10.7181, 12.1243



16.4616, 8.3342, 7.6405



0.8160, 0.4092, 0.5540

Previews

White Background



This preview shows how the XYZ color 38.9805, 50.2408, 46.6727 looks on a white background.

Color Contrast Check

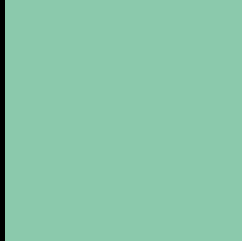
Large Text (above 18pt) WCAG AA × Fail

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 38.9805, 50.2408, 46.6727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

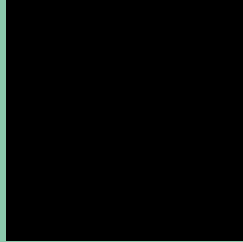
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.9805, 50.2408, 46.6727

Background



This preview shows how black text looks on a background with the XYZ color 38.9805, 50.2408, 46.6727.

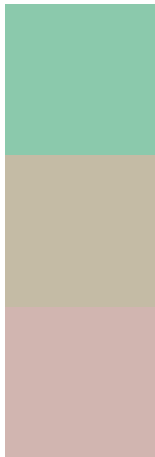


This preview shows how white text looks on a background with the XYZ color 38.9805, 50.2408,

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

38.9805, 50.2408, 46.6727

Protanopia

47.3268, 49.9930, 42.7525

Deuteranopia

50.6548, 49.7376, 48.0048



Tritanopia

43.3056, 49.9364, 68.9843

Trichromacy



Original Color

38.9805, 50.2408, 46.6727

Protanomaly

43.5967, 49.6404, 44.3295

Deuteranomaly

45.4882, 49.2519, 47.6665

Tritanomaly

41.5459, 49.8930, 60.2639

Monochromacy



Original Color

38.9805, 50.2408, 46.6727

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

40.9166, 46.5678, 47.9062

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9805, 50.2408, 46.6727 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(139, 201, 172)` looks like.

```
.text, #text, p{  
    color:rgb(139, 201, 172)  
}
```

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(139, 201, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 201, 172) }
```

Border

The CSS property to change the border of an element to XYZ 38.9805, 50.2408, 46.6727 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(139, 201, 172) }
```


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

```
.border{ border-color:rgb(139, 201, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 201, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(139, 201, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(139, 201, 172); box-shadow:4px 4px 4px 4px rgb(139, 201, 172) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9805, 50.2408, 46.6727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 201, 172) }
```

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

```
.background{ background-color: rgb(139,  
201, 172) }
```

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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