

Converting Colors

XYZ(38.4680, 48.5166, 36.8297)

Have a look what the booklet for
XYZ(38.4680, 48.5166, 36.8297)
contains.

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Color

**XYZ(38.5443, 48.5192,
37.0394)**

Conversions

Conversions Part 1

Format	Color
Hex	99C498
RGB	153, 196, 152
RGB Percent	60%, 77%, 60%
CMY	0.4000, 0.2314, 0.4039
CMYK	0.22, 0.00, 0.22, 0.23
HSL	119°, 27%, 68%
HSV	119°, 22%, 77%
XYZ	38.5443, 48.5192, 37.0394
YIQ	178.1270, -11.5040, -22.8000

Conversions

Conversions Part 2

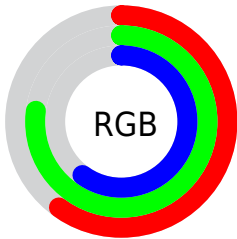
Format	Color
RYB	152, 196, 195
Decimal	10077336
CIELab	75.15, -22.80, 17.54
CIELCh	75, 28.768, 142.426
Yxy	48.5192, 0.3106, 0.3910
Android (android.graphics.Color)	4288267416 (0xFF99C498)
YUV	178.1270, -12.8806, -22.0364
Hunter-Lab	69.6557, -23.1238, 17.2316

Details

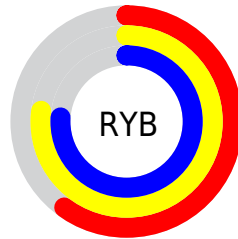
The XYZ color **38.5443, 48.5192, 37.0394** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.6998, 38.0455, 57.2674**, and the grayscale version is **42.4556, 44.6666, 48.6419**.

A 20% lighter version of the original color is **72.2783, 88.1167, 71.5913**, and **17.3888, 23.0523, 15.8450** is the 20% darker color. If you saturate the color by 10%, you get **33.7402, 46.2144, 29.1160**, and if you desaturate by 10%, it is **44.1967, 51.2335, 46.3893**.

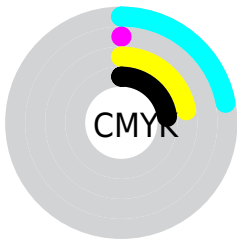
Distribution



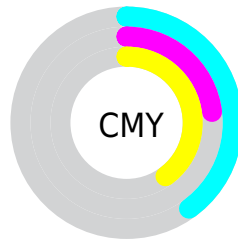
- Red (60%)
- Green (77%)
- Blue (60%)



- Red (60%)
- Yellow (77%)
- Blue (76%)



- Cyan (22%)
- Magenta (0%)
- Yellow (22%)
- Black (23%)



- Cyan (40%)
- Magenta (23%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5443, 48.5192, 37.0394 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 38.5443, 48.5192, 37.0394 by changing the saturation by 10% instead.

■ 38.5443, 48.5192,
37.0394

■ 38.5443, 48.5192,
37.0394

331.1898,
380.8464, 348.6549

■ 26.5845, 34.2382,
24.9420

■ 72.2402, 87.9769,
71.8204

■ 17.3964, 23.0767,
15.8152

■ 94.7070, 113.9225,
95.3410

■ 10.6146, 14.6501,
9.2405

121.4069,
144.5251, 123.5065

■ 5.8737, 8.5742,
4.7995

152.7052,
180.1690, 156.7353

■ 2.8083, 4.4645,
2.0734

188.9673,
221.2387, 195.4460

■ 1.0532, 1.9367,
0.5999

230.5585,

■ 0.0000, 0.5703,

268.1186, 240.0571

0.0000

277.8442,
321.1930, 290.9873

■ 0.0000, 0.0000,
0.0000

■ 38.5443, 48.5192,
37.0394

■ 38.5443, 48.5192,
37.0394

■ 33.7402, 46.2144,
29.1160

■ 44.1967, 51.2335,
46.3893

■ 29.7399, 44.2935,
22.5461

■ 50.7315, 54.3691,
57.2276

■ 26.5007, 42.7373,
17.2549

■ 58.1856, 57.9454,
69.6165

■ 23.9742, 41.5229,
13.1593

■ 66.5926, 61.9783,
83.6135

■ 22.1069, 40.6246,
10.1662

■ 75.9845, 66.4831,
99.2734

■ 20.8373, 40.0130,
8.1688

■ 79.0309, 67.9618,
103.5603

■ 20.0926, 39.6533,
7.0393

■ 19.7966, 39.5105,
6.5829

Harmonies

Analogous

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



42.3586, 48.5192, 30.2934



38.5443, 48.5192, 37.0394



36.7856, 48.5192, 49.0965

Triad

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



38.5443, 48.5192, 37.0394



44.7936, 48.5192, 87.1216



56.1281, 48.5192, 42.5166

Complementary

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



38.5443, 48.5192, 37.0394



43.6998, 38.0455, 57.2674

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.



56.9041, 48.5192, 56.7463



38.5443, 48.5192, 37.0394



50.0894, 48.5192, 84.4405

Square

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



38.5443, 48.5192, 37.0394



40.2106, 48.5192, 79.3198



54.6196, 48.5192, 72.5684



52.5732, 48.5192, 33.0103

Rectangle

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



38.5443, 48.5192, 37.0394



36.9138, 48.5192, 59.3207



54.6196, 48.5192, 72.5684



56.7330, 48.5192, 46.8294

Sweetspot

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



38.5456, 48.5213, 37.0405



86.1788, 95.7435, 94.1739



47.8454, 52.8267, 37.3814



18.2904, 20.4185, 19.8994



0.0000, 0.0000, 0.0000



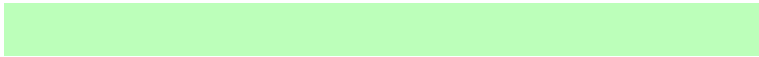
20.3446, 21.4041, 23.3091

Same Dimension

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



38.5456, 48.5213, 37.0405



65.3074, 85.7266, 59.6428



40.1881, 49.1566, 46.6703



9.9651, 11.2695, 10.7119



12.7295, 25.3911, 4.2301



0.5575, 1.1009, 0.1831

Inverse Universe

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



43.6998, 38.0455, 57.2674



76.3077, 63.3657, 102.8167



41.7787, 37.3070, 45.7988



10.4740, 10.2355, 12.7084



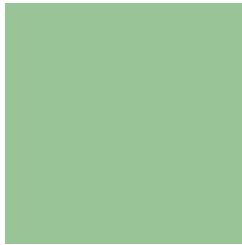
20.3072, 9.7292, 34.3642



0.8847, 0.4241, 1.4851

Previews

White Background



This preview shows how the XYZ color 38.5443, 48.5192, 37.0394 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 38.5443, 48.5192, 37.0394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

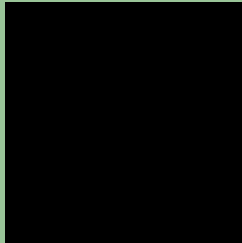
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.5443, 48.5192, 37.0394

Background



This preview shows how black text looks on a background with the XYZ color 38.5443, 48.5192, 37.0394.



This preview shows how white text looks on a background with the XYZ color 38.5443, 48.5192,

37.0394.

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

38.5443, 48.5192, 37.0394

Protanopia

45.0937, 48.0921, 34.1001

Deuteranopia

48.8743, 47.8416, 38.1109



Tritanopia

43.9970, 48.4362, 64.1570

Trichromacy



Original Color

38.5443, 48.5192, 37.0394

Protanomaly

42.1509, 47.8079, 35.0232

Deuteranomaly

44.5427, 47.7239, 37.8743

Tritanomaly

41.9047, 48.5730, 53.0659

Monochromacy



Original Color

38.5443, 48.5192, 37.0394

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.8726, 45.9975, 44.2603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5443, 48.5192, 37.0394 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(153, 196, 152)` looks like.

```
.text, #text, p{  
    color:rgb(153, 196, 152)  
}
```

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(153, 196, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 196, 152) }
```

Border

The CSS property to change the border of an element to XYZ 38.5443, 48.5192, 37.0394 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(153, 196, 152) }
```


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

```
.border{ border-color:rgb(153, 196, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 196, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 196, 152); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 196, 152); box-shadow:4px 4px 4px 4px rgb(153, 196, 152) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5443, 48.5192, 37.0394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 196, 152) }
```

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

```
.background{ background-color: rgb(153,  
196, 152) }
```

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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