

Converting Colors

XYZ(38.6038, 48.0089, 45.4979)

Have a look what the booklet for
XYZ(38.6038, 48.0089, 45.4979)
contains.

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Color

**XYZ(38.6249, 48.0435,
45.2678)**

Conversions

Conversions Part 1

Format	Color
Hex	92C3AA
RGB	146, 195, 170
RGB Percent	57%, 76%, 67%
CMY	0.4274, 0.2353, 0.3333
CMYK	0.25, 0.00, 0.13, 0.24
HSL	149°, 29%, 67%
HSV	149°, 25%, 76%
XYZ	38.6249, 48.0435, 45.2678
YIQ	177.4990, -21.1790, -18.1630

Conversions

Conversions Part 2

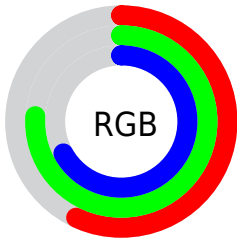
Format	Color
RYB	146, 179, 195
Decimal	9618346
CIELab	74.85, -21.25, 7.37
CIELCh	75, 22.497, 160.872
Yxy	48.0435, 0.2928, 0.3641
Android (android.graphics.Color)	4287808426 (0xFF92C3AA)
YUV	177.4990, -3.6970, -27.6246
Hunter-Lab	69.3134, -21.8294, 9.7978

Details

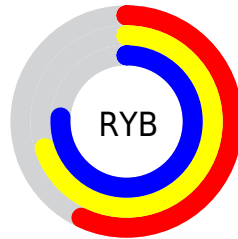
The XYZ color **38.6249, 48.0435, 45.2678** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.1370, 35.1014, 43.1900**, and the grayscale version is **42.0804, 44.2718, 48.2120**.

A 20% lighter version of the original color is **72.4884, 87.4746, 84.2979**, and **17.4110, 22.7374, 20.6106** is the 20% darker color. If you saturate the color by 10%, you get **34.5440, 46.0457, 40.3485**, and if you desaturate by 10%, it is **43.3710, 50.3786, 50.5921**.

Distribution



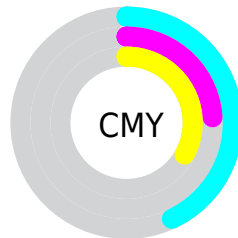
- Red (57%)
- Green (76%)
- Blue (67%)



- Red (57%)
- Yellow (70%)
- Blue (76%)



- Cyan (25%)
- Magenta (0%)
- Yellow (13%)
- Black (24%)





- Cyan (43%)
- Magenta (24%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6249, 48.0435, 45.2678 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 38.6249, 48.0435, 45.2678 by changing the saturation by 10% instead.


 38.6249, 48.0435,
45.2678


 38.6249, 48.0435,
45.2678


331.5278,
378.9645, 384.0488

 26.6475, 33.8613,
31.3239


 72.3627, 87.2692,
84.4448

 17.4438, 22.7871,
20.5851


 94.8537, 113.0815,
110.5151

 10.6487, 14.4364,
12.6328

121.5800,
143.5393, 141.4645

 5.8967, 8.4248,
7.0484

152.9070,
179.0269, 177.7117

 2.8224, 4.3679,
3.4135

189.1998,
219.9289, 219.6752

 1.0606, 1.8814,
1.3095

230.8240,

 0.0000, 0.5372,

266.6296, 267.7735

0.0695

278.1449,
319.5133, 322.4252

■ 0.0000, 0.0000,
0.0000

■ 38.6249, 48.0435,
45.2678

■ 38.6249, 48.0435,
45.2678

■ 34.5440, 46.0457,
40.3485

■ 43.3710, 50.3786,
50.5921

■ 31.0928, 44.3632,
35.8215

■ 48.8076, 53.0600,
56.3276

■ 28.2383, 42.9804,
31.6777

■ 54.9638, 56.1037,
62.4843

■ 25.9428, 41.8781,
27.9065

■ 61.8655, 59.5230,
69.0709

■ 24.1642, 41.0348,
24.4969

■ 69.5374, 63.3305,
76.0957

■ 22.8537, 40.4256,
21.4370

■ 74.9968, 65.9883,
83.4263

■ 21.9523, 40.0203,
18.7142

■ 76.4321, 66.5625,
90.9848

■ 21.6047, 39.8675,
17.5042

■ 77.9485, 67.1690,
98.9699

■ 78.8060, 67.5120,
103.4853

Harmonies

Analogous

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



40.7054, 48.0435, 37.0520



38.6249, 48.0435, 45.2678



38.3632, 48.0435, 56.6783

Triad

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



38.6249, 48.0435, 45.2678



47.1644, 48.0435, 77.7137



51.8771, 48.0435, 38.9054

Complementary

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



38.6249, 48.0435, 45.2678



40.1370, 35.1014, 43.1900

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.



53.8366, 48.0435, 48.1744



38.6249, 48.0435, 45.2678



51.0096, 48.0435, 71.2721

Square

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



38.6249, 48.0435, 45.2678



43.1333, 48.0435, 76.6252



53.5100, 48.0435, 60.0498



48.2916, 48.0435, 33.7759

Rectangle

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



38.6249, 48.0435, 45.2678



39.2367, 48.0435, 64.7492



53.5100, 48.0435, 60.0498



52.7572, 48.0435, 41.5777

Sweetspot

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



38.6262, 48.0455, 45.2689



84.3620, 93.5217, 97.7241



41.5687, 49.8012, 34.6166



18.1424, 20.3165, 21.0527



0.0000, 0.0000, 0.0000



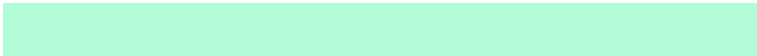
20.3446, 21.4041, 23.3091

Same Dimension

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



38.6262, 48.0455, 45.2689



65.1315, 84.0627, 76.2826



41.1290, 49.0466, 58.4485



10.1454, 11.3392, 11.7691



14.0835, 25.9275, 11.5987



0.6433, 1.1342, 0.6845

Inverse Universe

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



40.1370, 35.1014, 43.1900



68.2857, 57.0361, 71.9410



38.0381, 34.2618, 32.1375



10.2829, 10.1617, 11.5800



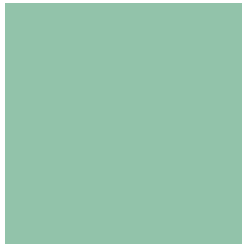
16.1493, 8.1495, 8.6982



0.7325, 0.3660, 0.5588

Previews

White Background



This preview shows how the XYZ color 38.6249, 48.0435, 45.2678 looks on a white background.

Color Contrast Check

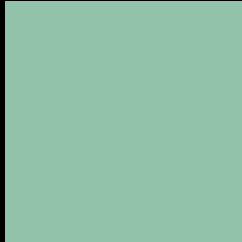
Large Text (above 18pt) WCAG AA × Fail

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 38.6249, 48.0435, 45.2678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

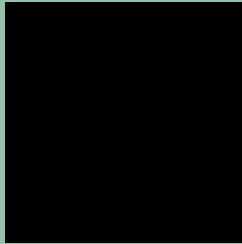
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.6249, 48.0435, 45.2678

Background



This preview shows how black text looks on a background with the XYZ color 38.6249, 48.0435, 45.2678.



This preview shows how white text looks on a background with the XYZ color 38.6249, 48.0435,

45.2678.

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

38.6249, 48.0435, 45.2678

Protanopia

45.3726, 47.7538, 41.9480

Deuteranopia

48.5390, 47.4794, 46.6506



Tritanopia

42.5698, 48.0070, 64.7802

Trichromacy



Original Color

38.6249, 48.0435, 45.2678

Protanomaly

42.3325, 47.4078, 42.9959

Deuteranomaly

44.4505, 47.4885, 46.3586

Tritanomaly

40.9417, 47.9891, 56.9741

Monochromacy



Original Color

38.6249, 48.0435, 45.2678

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.6042, 45.4831, 47.1965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6249, 48.0435, 45.2678 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(146, 195, 170)` looks like.

```
.text, #text, p{  
    color:rgb(146, 195, 170)  
}
```

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(146, 195, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 195, 170) }
```

Border

The CSS property to change the border of an element to XYZ 38.6249, 48.0435, 45.2678 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(146, 195, 170) }
```


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

```
.border{ border-color:rgb(146, 195, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 195, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 195, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 195, 170);  
box-shadow:4px 4px 4px 4px rgb(146, 195,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6249, 48.0435, 45.2678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 195, 170) }
```

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

```
.background{ background-color: rgb(146,  
195, 170) }
```

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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