

Converting Colors

XYZ(37.9360, 46.6968, 38.9388)

Have a look what the booklet for
XYZ(37.9360, 46.6968, 38.9388)
contains.

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Color

**XYZ(38.0723, 46.9059,
38.9454)**

Conversions

Conversions Part 1

Format	Color
Hex	99C09D
RGB	153, 192, 157
RGB Percent	60%, 75%, 62%
CMY	0.4000, 0.2470, 0.3843
CMYK	0.20, 0.00, 0.18, 0.25
HSL	126°, 24%, 68%
HSV	126°, 20%, 75%
XYZ	38.0723, 46.9059, 38.9454
YIQ	176.3490, -12.0090, -19.1530

Conversions

Conversions Part 2

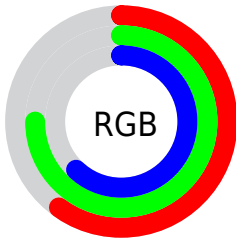
Format	Color
RYB	153, 188, 192
Decimal	10076317
CIELab	74.13, -19.91, 13.43
CIElCh	74, 24.017, 146.011
Yxy	46.9059, 0.3072, 0.3785
Android (android.graphics.Color)	4288266397 (0xFF99C09D)
YUV	176.3490, -9.5391, -20.4771
Hunter-Lab	68.4879, -20.6259, 14.2265

Details

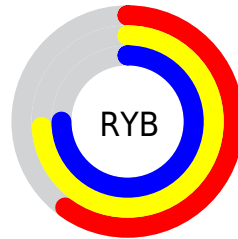
The XYZ color **38.0723, 46.9059, 38.9454** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.2082, 37.6208, 52.6160**, and the grayscale version is **41.5028, 43.6641, 47.5503**.

A 20% lighter version of the original color is **71.7718, 85.9147, 75.0878**, and **17.0568, 21.9843, 16.9801** is the 20% darker color. If you saturate the color by 10%, you get **33.3670, 44.6398, 31.5800**, and if you desaturate by 10%, it is **43.5708, 49.5597, 47.4330**.

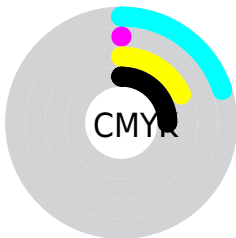
Distribution



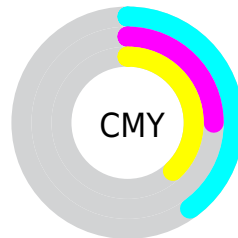
- Red (60%)
- Green (75%)
- Blue (62%)



- Red (60%)
- Yellow (74%)
- Blue (75%)



- Cyan (20%)
- Magenta (0%)
- Yellow (18%)
- Black (25%)



- Cyan (40%)
- Magenta (25%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0723, 46.9059, 38.9454 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 38.0723, 46.9059, 38.9454 by changing the saturation by 10% instead.

■ 38.0723, 46.9059,
38.9454

■ 38.0723, 46.9059,
38.9454

329.2055,
374.4388, 357.0773

■ 26.2163, 32.9613,
26.4097

■ 71.5221, 85.5731,
74.7743

■ 17.1190, 22.0968,
16.9019

■ 93.8466, 111.0645,
98.9047

■ 10.4152, 13.9280,
10.0034

120.3914,
141.1737, 127.7370

■ 5.7395, 8.0706,
5.2956

151.5216,
176.2849, 161.6899

■ 2.7265, 4.1402,
2.3599

187.6028,
216.7826, 201.1818

■ 1.0108, 1.7523,
0.7645

229.0003,

■ 0.0000, 0.4572,

263.0513, 246.6313

0.0000

276.0794,
315.4752, 298.4570

■ 0.0000, 0.0000,
0.0000

■ 38.0723, 46.9059,
38.9454

■ 38.0723, 46.9059,
38.9454

■ 33.3670, 44.6398,
31.5800

■ 43.5708, 49.5597,
47.4330

■ 29.4147, 42.7374,
25.2869

■ 49.8927, 52.6117,
57.0836

■ 26.1772, 41.1817,
20.0171

■ 57.0716, 56.0797,
67.9401

■ 23.6116, 39.9516,
15.7163

■ 65.1377, 59.9784,
80.0420

■ 21.6702, 39.0239,
12.3256

■ 74.1200, 64.3220,
93.4271

■ 20.2993, 38.3721,
9.7795

■ 78.1406, 66.1811,
103.2635

■ 19.4357, 37.9653,
8.0037

■ 18.9741, 37.7505,
6.9342

Harmonies

Analogous

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



41.0540, 46.9059, 32.6100



38.0723, 46.9059, 38.9454



36.8325, 46.9059, 49.4430

Triad

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



38.0723, 46.9059, 38.9454



44.0100, 46.9059, 78.5247



52.4341, 46.9059, 41.3756

Complementary

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



38.0723, 46.9059, 38.9454



42.2082, 37.6208, 52.6160

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.



53.3502, 46.9059, 52.7375



38.0723, 46.9059, 38.9454



48.3080, 46.9059, 75.4470

Square

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



38.0723, 46.9059, 38.9454



40.1182, 46.9059, 73.3305



51.7958, 46.9059, 65.4872



49.3666, 46.9059, 33.8468

Rectangle

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



38.0723, 46.9059, 38.9454



37.0979, 46.9059, 57.8866



51.7958, 46.9059, 65.4872



53.0120, 46.9059, 44.8154

Sweetspot

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



38.0736, 46.9079, 38.9464



83.5894, 92.0372, 93.0548



45.3650, 50.7056, 37.5336



17.7736, 19.6683, 19.7202



92.9021, 97.7402, 106.4391



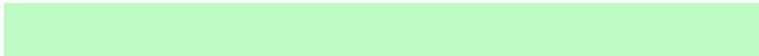
19.4759, 20.4902, 22.3138

Same Dimension

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



38.0736, 46.9079, 38.9464



65.3432, 83.2354, 64.8918



39.8640, 47.6241, 48.3749



9.9855, 11.2752, 10.9269



12.7809, 25.4064, 4.7394



0.5667, 1.1035, 0.2808

Inverse Universe

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



42.2082, 37.6208, 52.6160



74.0764, 63.6159, 93.7626



40.2548, 36.8395, 42.3297



10.4513, 10.2291, 12.4673



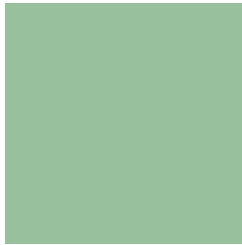
19.6747, 9.5596, 27.2629



0.8632, 0.4183, 1.2469

Previews

White Background



This preview shows how the XYZ color 38.0723, 46.9059, 38.9454 looks on a white background.

Color Contrast Check

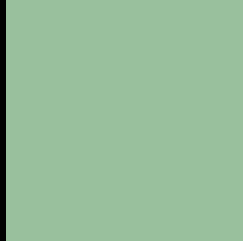
Large Text (above 18pt) WCAG AA × Fail

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 38.0723, 46.9059, 38.9454 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 38.0723, 46.9059, 38.9454

Background



This preview shows how black text looks on a background with the XYZ color 38.0723, 46.9059, 38.9454.



This preview shows how white text looks on a background with the XYZ color 38.0723, 46.9059,

38.9454.

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

38.0723, 46.9059, 38.9454

Protanopia

43.9296, 46.5212, 36.3699

Deuteranopia

47.4951, 46.4986, 40.1901



Tritanopia

42.7995, 46.9119, 62.0575

Trichromacy



Original Color

38.0723, 46.9059, 38.9454

Protanomaly

41.5418, 46.4960, 37.3570

Deuteranomaly

43.3626, 46.1506, 39.8802

Tritanomaly

40.8407, 46.7383, 52.7678

Monochromacy



Original Color

38.0723, 46.9059, 38.9454

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.0378, 44.6453, 44.0433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0723, 46.9059, 38.9454 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, 192, 157)` looks like.

```
.text, #text, p{  
    color:rgb(153, 192, 157)  
}
```

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, 192, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 192, 157) }
```

Border

The CSS property to change the border of an element to XYZ 38.0723, 46.9059, 38.9454 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, 192, 157) }
```


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

```
.border{ border-color:rgb(153, 192, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 192, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 192, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 192, 157);  
box-shadow:4px 4px 4px 4px rgb(153, 192,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0723, 46.9059, 38.9454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 192, 157) }
```

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

```
.background{ background-color: rgb(153,  
192, 157) }
```

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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