

Converting Colors

XYZ(38.7555, 48.2713, 38.2833)

Have a look what the booklet for
XYZ(38.7555, 48.2713, 38.2833)
contains.

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Color

**XYZ(38.7579, 48.2668,
38.2840)**

Conversions

Conversions Part 1

Format	Color
Hex	9AC39B
RGB	154, 195, 155
RGB Percent	60%, 76%, 61%
CMY	0.3961, 0.2353, 0.3922
CMYK	0.21, 0.00, 0.21, 0.24
HSL	121°, 25%, 68%
HSV	121°, 21%, 76%
XYZ	38.7579, 48.2668, 38.2840
YIQ	178.1810, -11.5960, -21.1320

Conversions

Conversions Part 2

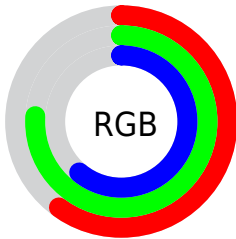
Format	Color
RYB	154, 194, 195
Decimal	10142619
CIELab	74.99, -21.44, 15.72
CIElCh	75, 26.584, 143.740
Yxy	48.2668, 0.3093, 0.3852
Android (android.graphics.Color)	4288332699 (0xFF9AC39B)
YUV	178.1810, -11.4282, -21.2067
Hunter-Lab	69.4743, -21.9996, 15.9601

Details

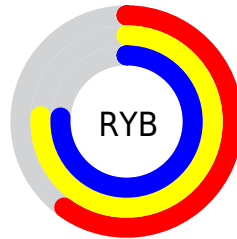
The XYZ color **38.7579, 48.2668, 38.2840** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.8005, 38.6094, 56.1848**, and the grayscale version is **42.4768, 44.6889, 48.6662**.

A 20% lighter version of the original color is **72.7378, 87.8293, 74.0918**, and **17.5031, 22.8740, 16.5893** is the 20% darker color. If you saturate the color by 10%, you get **33.8699, 45.9186, 30.3621**, and if you desaturate by 10%, it is **44.5032, 51.0306, 47.5621**.

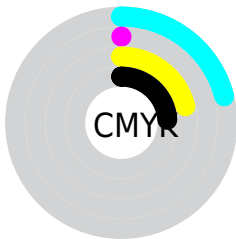
Distribution



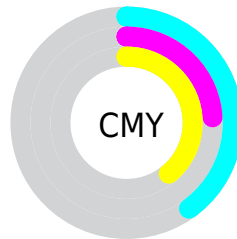
- Red (60%)
- Green (76%)
- Blue (61%)



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



- Cyan (21%)
- Magenta (0%)
- Yellow (21%)
- Black (24%)





- Cyan (40%)
- Magenta (24%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7579, 48.2668, 38.2840 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 38.7579, 48.2668, 38.2840 by changing the saturation by 10% instead.


 38.7579, 48.2668,
38.2840


 38.7579, 48.2668,
38.2840


332.0850,
379.8487, 354.1713

 26.7513, 34.0382,
25.8996


 72.5648, 87.6015,
73.7515

 17.5222, 22.9230,
16.5235


 95.0958, 113.4764,
97.6717

 10.7051, 14.5366,
9.7370

121.8656,
144.0022, 126.2742

 5.9347, 8.4948,
5.1216

153.2397,
179.5634, 159.9777

 2.8457, 4.4132,
2.2588

189.5833,
220.5442, 199.2006

 1.0727, 1.9073,
0.7080

231.2618,

 0.0021, 0.5527,

267.3291, 244.3615

0.0000

278.6406,
320.3024, 295.8789

■ 0.0000, 0.0000,
0.0000

■ 38.7579, 48.2668,
38.2840

■ 38.7579, 48.2668,
38.2840

■ 33.8699, 45.9186,
30.3621

■ 44.5032, 51.0306,
47.5621

■ 29.7944, 43.9602,
23.7299

■ 51.1401, 54.2223,
58.2523

■ 26.4887, 42.3724,
18.3201

■ 58.7056, 57.8612,
70.4112

■ 23.9043, 41.1317,
14.0581

■ 67.2335, 61.9635,
84.0916

■ 21.9874, 40.2123,
10.8611

■ 76.7560, 66.5448,
99.3434

■ 20.6767, 39.5845,
8.6354

■ 78.8061, 67.5121,
103.4854

■ 19.8994, 39.2132,
7.2706

■ 19.5421, 39.0426,
6.6427

Harmonies

Analogous

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



42.2222, 48.2668, 31.6964



38.7579, 48.2668, 38.2840



37.2141, 48.2668, 49.6948

Triad

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



38.7579, 48.2668, 38.2840



44.8665, 48.2668, 83.8350



54.9559, 48.2668, 42.5159

Complementary

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



38.7579, 48.2668, 38.2840



43.8005, 38.6094, 56.1848

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.



55.7877, 48.2668, 55.5216



38.7579, 48.2668, 38.2840



49.7350, 48.2668, 80.9988

Square

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



38.7579, 48.2668, 38.2840



40.5771, 48.2668, 77.1738



53.8166, 48.2668, 69.9918



51.6175, 48.2668, 33.8216

Rectangle

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



38.7579, 48.2668, 38.2840



37.3982, 48.2668, 59.1586



53.8166, 48.2668, 69.9918



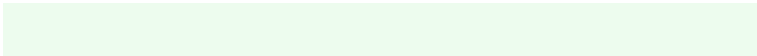
55.5473, 48.2668, 46.4609

Sweetspot

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



38.7592, 48.2688, 38.2851



85.3628, 94.1143, 94.3038



47.6795, 52.8771, 38.2656



18.5210, 20.5271, 20.3736



0.0000, 0.0000, 0.0000



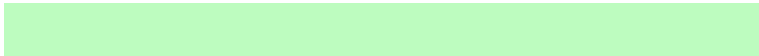
20.3446, 21.4041, 23.3091

Same Dimension

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



38.7592, 48.2688, 38.2851



65.4125, 84.5220, 62.0866



40.5988, 49.0047, 47.9723



9.9542, 11.2627, 10.7620



12.7053, 25.3762, 4.3411



0.5525, 1.0978, 0.2060

Inverse Universe

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



43.8005, 38.6094, 56.1848



75.9767, 64.2795, 99.5949



41.6849, 37.7631, 45.0440



10.4863, 10.2431, 12.6516



20.6902, 9.9658, 32.6102



0.8974, 0.4320, 1.4270

Previews

White Background



This preview shows how the XYZ color 38.7579, 48.2668, 38.2840 looks on a white background.

Color Contrast Check

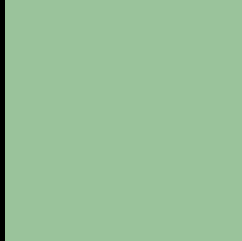
Large Text (above 18pt) WCAG AA × Fail

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 38.7579, 48.2668, 38.2840 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 38.7579, 48.2668, 38.2840

Background



This preview shows how black text looks on a background with the XYZ color 38.7579, 48.2668, 38.2840.



This preview shows how white text looks on a background with the XYZ color 38.7579, 48.2668,

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

38.7579, 48.2668, 38.2840

Protanopia

45.1512, 48.0851, 35.7558

Deuteranopia

48.8441, 47.7964, 39.4521



Tritanopia

43.6630, 47.9596, 63.4558

Trichromacy



Original Color

38.7579, 48.2668, 38.2840

Protanomaly

42.4731, 47.9367, 36.7199

Deuteranomaly

44.5472, 47.6968, 39.2063

Tritanomaly

41.7918, 48.1777, 53.5509

Monochromacy



Original Color

38.7579, 48.2668, 38.2840

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.7584, 45.6183, 44.6872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7579, 48.2668, 38.2840 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(154, 195, 155)` looks like.

```
.text, #text, p{  
    color:rgb(154, 195, 155)  
}
```

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(154, 195, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 195, 155) }
```

Border

The CSS property to change the border of an element to XYZ 38.7579, 48.2668, 38.2840 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(154, 195, 155) }
```


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

```
.border{ border-color:rgb(154, 195, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 195, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 195, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 195, 155);  
box-shadow:4px 4px 4px 4px rgb(154, 195,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7579, 48.2668, 38.2840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 195, 155) }
```

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

```
.background{ background-color: rgb(154,  
195, 155) }
```

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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