

Converting Colors

XYZ(33.3525, 43.7825, 37.9889)

Have a look what the booklet for
XYZ(33.3525, 43.7825, 37.9889)
contains.

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Color

**XYZ(33.4675, 43.8943,
38.1610)**

Conversions

Conversions Part 1

Format	Color
Hex	81BE9C
RGB	129, 190, 156
RGB Percent	51%, 75%, 61%
CMY	0.4941, 0.2549, 0.3882
CMYK	0.32, 0.00, 0.18, 0.25
HSL	147°, 32%, 63%
HSV	147°, 32%, 75%
XYZ	33.4675, 43.8943, 38.1610
YIQ	167.8850, -25.4420, -23.5060

Conversions

Conversions Part 2

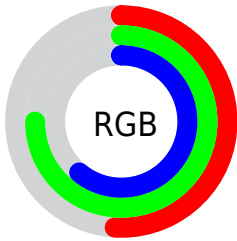
Format	Color
RYB	129, 171, 190
Decimal	8502940
CIELab	72.16, -26.92, 10.99
CIElCh	72, 29.073, 157.797
Yxy	43.8943, 0.2897, 0.3800
Android (android.graphics.Color)	4286693020 (0xFF81BE9C)
YUV	167.8850, -5.8593, -34.1021
Hunter-Lab	66.2528, -25.7733, 12.2264

Details

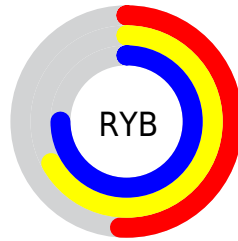
The XYZ color **33.4675, 43.8943, 38.1610** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.6979, 29.2932, 38.4249**, and the grayscale version is **37.2008, 39.1381, 42.6214**.

A 20% lighter version of the original color is **64.5471, 81.2920, 73.9169**, and **14.4145, 20.2060, 16.5050** is the 20% darker color. If you saturate the color by 10%, you get **29.9874, 42.2006, 33.5195**, and if you desaturate by 10%, it is **37.5648, 45.8996, 43.2415**.

Distribution



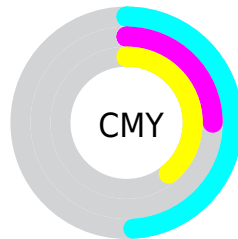
- Red (51%)
- Green (75%)
- Blue (61%)



- Red (51%)
- Yellow (67%)
- Blue (75%)



- Cyan (32%)
- Magenta (0%)
- Yellow (18%)
- Black (25%)



- Cyan (49%)
- Magenta (25%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4675, 43.8943, 38.1610 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 33.4675, 43.8943, 38.1610 by changing the saturation by 10% instead.


 33.4675, 43.8943,
38.1610


 33.4675, 43.8943,
38.1610


309.3789,
362.2768, 353.6290


 22.6458, 30.5874,
25.8049


 64.4545, 81.0587,
73.5610

 14.4514, 20.2849,
16.4533


 85.3505, 105.6849,
97.4420

 8.5191, 12.6023,
9.6876


 110.3354,
134.8531, 126.0016

 4.4834, 7.1553,
5.0895

139.7743,
168.9477, 159.6585

 1.9791, 3.5594,
2.2402

174.0328,
208.3529, 198.8311

 0.6222, 1.4303,
0.6974

213.4762,

 0.0000, 0.2389,

253.4532, 243.9380

0.0000

258.4698,
304.6330, 295.3978

■ 0.0000, 0.0000,
0.0000

■ 33.4675, 43.8943,
38.1610

■ 33.4675, 43.8943,
38.1610

■ 29.9874, 42.2006,
33.5195

■ 37.5648, 45.8996,
43.2415

■ 27.0893, 40.7969,
29.3021

■ 42.3053, 48.2259,
48.7695

■ 24.7394, 39.6673,
25.4976

■ 47.7174, 50.8891,
54.7568

■ 22.8992, 38.7921,
22.0926

■ 53.8272, 53.9022,
61.2139

■ 21.5245, 38.1488,
19.0736

■ 60.6590, 57.2776,
68.1512

■ 20.5631, 37.7108,
16.4254

■ 68.2361, 61.0272,
75.5783

■ 20.0182, 37.4701,
14.5847

■ 73.9564, 63.8093,
83.3821

■ 75.4907, 64.4231,
91.4619

■ 77.1170, 65.0736,
100.0260

Harmonies

Analogous

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



36.1223, 43.8943, 29.2331



33.4675, 43.8943, 38.1610



32.9338, 43.8943, 51.6115

Triad

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



33.4675, 43.8943, 38.1610



43.0329, 43.8943, 80.4390



49.7537, 43.8943, 32.8789

Complementary

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



33.4675, 43.8943, 38.1610



35.6979, 29.2932, 38.4249

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.



51.9450, 43.8943, 44.1685



33.4675, 43.8943, 38.1610



47.8685, 43.8943, 72.9044

Square

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



33.4675, 43.8943, 38.1610



38.2052, 43.8943, 77.9467



51.2290, 43.8943, 58.9240



45.4445, 43.8943, 26.6332

Rectangle

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



33.4675, 43.8943, 38.1610



33.8097, 43.8943, 61.7575



51.2290, 43.8943, 58.9240



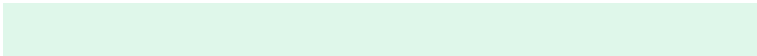
50.7774, 43.8943, 36.1109

Sweetspot

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



33.4687, 43.8961, 38.1620



78.4694, 88.2781, 90.4166



37.5980, 46.2603, 27.7171



16.9392, 19.2415, 19.5254



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.



33.4687, 43.8961, 38.1620



55.7993, 77.1802, 62.7482



36.3240, 45.0382, 53.1979



9.5795, 10.7179, 11.0351



13.3486, 24.9297, 9.8987



0.5558, 0.9897, 0.5611

Inverse Universe

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



35.6979, 29.2932, 38.4249



60.5069, 46.3247, 63.2911



33.3250, 28.3440, 25.9298



9.7468, 9.6230, 11.0555



15.8868, 7.9859, 9.9637



0.6547, 0.3258, 0.5610

Previews

White Background



This preview shows how the XYZ color 33.4675, 43.8943, 38.1610 looks on a white background.

Color Contrast Check

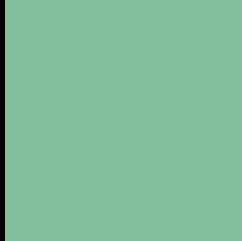
Large Text (above 18pt) WCAG AA × Fail

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 33.4675, 43.8943, 38.1610 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 33.4675, 43.8943, 38.1610

Background



This preview shows how black text looks on a background with the XYZ color 33.4675, 43.8943, 38.1610.



This preview shows how white text looks on a background with the XYZ color 33.4675, 43.8943,

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

33.4675, 43.8943, 38.1610

Protanopia

41.1998, 43.6597, 34.6895

Deuteranopia

44.2731, 43.4296, 39.3070



Tritanopia

37.9305, 43.8078, 60.4894

Trichromacy



Original Color

33.4675, 43.8943, 38.1610

Protanomaly

37.7084, 43.3141, 36.0788

Deuteranomaly

39.4357, 42.9462, 39.0118

Tritanomaly

36.0978, 43.6876, 51.3297

Monochromacy



Original Color

33.4675, 43.8943, 38.1610

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

35.5526, 40.6010, 41.0849

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4675, 43.8943, 38.1610 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(129, 190, 156)` looks like.

```
.text, #text, p{  
    color:rgb(129, 190, 156)  
}
```

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(129, 190, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 190, 156) }
```

Border

The CSS property to change the border of an element to XYZ 33.4675, 43.8943, 38.1610 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(129, 190, 156) }
```


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

```
.border{ border-color:rgb(129, 190, 156) }
```

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

Here you see how a box with a 4 pixel rgb(129, 190, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 190, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 190, 156);  
box-shadow:4px 4px 4px 4px rgb(129, 190,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4675, 43.8943, 38.1610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 190, 156) }
```

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

```
.background{ background-color: rgb(129,  
190, 156) }
```

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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