

Converting Colors

XYZ(38.3339, 42.9587, 33.3894)

Have a look what the booklet for
XYZ(38.3339, 42.9587, 33.3894)
contains.

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Color

**XYZ(38.5420, 43.1998,
33.5011)**

Conversions

Conversions Part 1

Format	Color
Hex	ADB392
RGB	173, 179, 146
RGB Percent	68%, 70%, 57%
CMY	0.3216, 0.2980, 0.4274
CMYK	0.03, 0.00, 0.18, 0.30
HSL	71°, 18%, 64%
HSV	71°, 18%, 70%
XYZ	38.5420, 43.1998, 33.5011
YIQ	173.4440, 7.0170, -11.5350

Conversions

Conversions Part 2

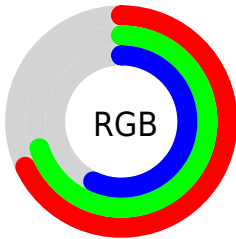
Format	Color
RYB	146, 179, 152
Decimal	11383698
CIELab	71.69, -7.89, 16.17
CIELCh	72, 17.993, 116.009
Yxy	43.1998, 0.3344, 0.3749
Android (android.graphics.Color)	4289573778 (0xFFADB392)
YUV	173.4440, -13.5299, -0.3894
Hunter-Lab	65.7266, -10.3492, 15.7882

Details

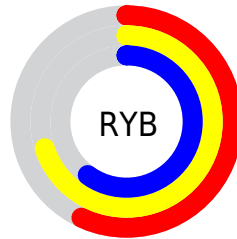
The XYZ color **38.5420, 43.1998, 33.5011** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.3662, 30.4890, 46.8820**, and the grayscale version is **40.0127, 42.0965, 45.8430**.

A 20% lighter version of the original color is **72.4468, 80.2448, 66.3140**, and **17.2721, 19.7410, 13.7265** is the 20% darker color. If you saturate the color by 10%, you get **36.5462, 42.3208, 26.6995**, and if you desaturate by 10%, it is **40.7757, 44.1789, 41.4538**.

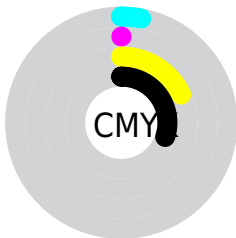
Distribution



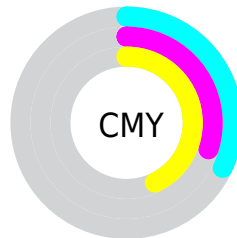
- Red (68%)
- Green (70%)
- Blue (57%)



- Red (57%)
- Yellow (70%)
- Blue (60%)



- Cyan (3%)
- Magenta (0%)
- Yellow (18%)
- Black (30%)





- Cyan (32%)
- Magenta (30%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5420, 43.1998, 33.5011 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 38.5420, 43.1998, 33.5011 by changing the saturation by 10% instead.


 38.5420, 43.1998,
33.5011


 38.5420, 43.1998,
33.5011


331.1801,
359.4328, 332.6027

 26.5827, 30.0419,
22.2363


 72.2367, 80.0123,
66.2821

 17.3951, 19.8704,
13.8307


 94.7028, 104.4357,
88.6354

 10.6136, 12.3009,
7.8656


121.4020,
133.3830, 115.5220

 5.8730, 6.9489,
3.9225

152.6995,
167.2387, 147.3603

 2.8079, 3.4302,
1.5829

188.9607,
206.3871, 184.5691

 1.0530, 1.3602,
0.2786

230.5509,

 0.0000, 0.1871,

251.2127, 227.5667

0.0000

277.8356,
302.0998, 276.7717

■ 0.0000, 0.0000,
0.0000

■ 38.5420, 43.1998,
33.5011

■ 38.5420, 43.1998,
33.5011

■ 36.5462, 42.3208,
26.6995

■ 40.7757, 44.1789,
41.4538

■ 34.7747, 41.5320,
20.9928

■ 43.2534, 45.2563,
50.6046

■ 33.2176, 40.8310,
16.3245

■ 45.9854, 46.4374,
61.0013

■ 31.8627, 40.2128,
12.6319

■ 48.9802, 47.7257,
72.6882

■ 30.6968, 39.6722,
9.8453

■ 52.2458, 49.1244,
85.7076

■ 29.7048, 39.2032,
7.8861

■ 55.7902, 50.6367,
100.0998

■ 28.8691, 38.7986,
6.6622

■ 56.8829, 51.1704,
101.4866

■ 28.1598, 38.4465,
6.0171

■ 57.7381, 51.6113,
101.5266

■ 28.0534, 38.3934,
5.9321

■ 58.6118, 52.0617,
101.5675

Harmonies

Analogous

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



41.4696, 43.1998, 32.1945



38.5420, 43.1998, 33.5011



36.3876, 43.1998, 38.2594

Triad

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



38.5420, 43.1998, 33.5011



37.8683, 43.1998, 62.3805



47.1920, 43.1998, 48.2157

Complementary

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



38.5420, 43.1998, 33.5011



31.3662, 30.4890, 46.8820

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.



46.1164, 43.1998, 57.0644



38.5420, 43.1998, 33.5011



40.6534, 43.1998, 65.8579

Square

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



38.5420, 43.1998, 33.5011



36.0124, 43.1998, 54.7926



43.6856, 43.1998, 63.8020



46.5588, 43.1998, 40.0505

Rectangle

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



38.5420, 43.1998, 33.5011



35.6290, 43.1998, 43.0928



43.6856, 43.1998, 63.8020



47.0169, 43.1998, 51.2153

Sweetspot

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



38.5431, 43.2017, 33.5020



74.0206, 79.5532, 77.8708



34.9274, 33.9547, 31.9078



16.3381, 17.5984, 17.0288



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



38.5431, 43.2017, 33.5020



67.5694, 76.7278, 54.9642



35.2145, 41.4857, 33.3463



9.0424, 9.8270, 9.0727



19.8729, 27.1549, 4.1940



0.6647, 0.8747, 0.1338

Inverse Universe

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



31.3662, 30.4890, 46.8820



52.4030, 49.8604, 83.2433



34.5654, 32.1383, 47.0318



8.1814, 8.3020, 10.6776



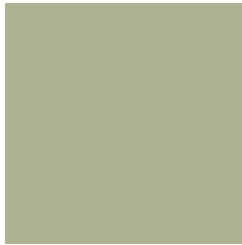
6.2241, 2.5444, 30.3001



0.2390, 0.1023, 0.9554

Previews

White Background



This preview shows how the XYZ color 38.5420, 43.1998, 33.5011 looks on a white background.

Color Contrast Check

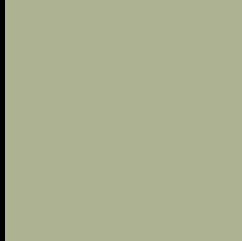
Large Text (above 18pt) WCAG AA × Fail

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 38.5420, 43.1998, 33.5011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

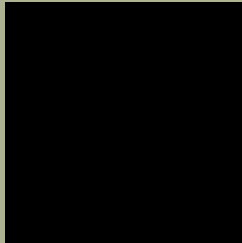
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

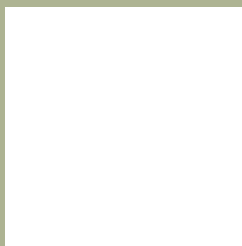
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.5420, 43.1998, 33.5011

Background



This preview shows how black text looks on a background with the XYZ color 38.5420, 43.1998, 33.5011.



This preview shows how white text looks on a background with the XYZ color 38.5420, 43.1998,

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

38.5420, 43.1998, 33.5011

Protanopia

40.6137, 43.1127, 32.5666

Deuteranopia

43.8904, 43.0706, 34.0172



Tritanopia

42.5036, 43.0587, 53.0847

Trichromacy



Original Color

38.5420, 43.1998, 33.5011

Protanomaly

39.6922, 42.9188, 32.9802

Deuteranomaly

41.6959, 43.0701, 33.7195

Tritanomaly

40.9078, 42.9856, 45.1707

Monochromacy



Original Color

38.5420, 43.1998, 33.5011

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.1744, 42.1885, 40.7288

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5420, 43.1998, 33.5011 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(173, 179, 146)` looks like.

```
.text, #text, p{  
    color:rgb(173, 179, 146)  
}
```

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(173, 179, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 179, 146) }
```

Border

The CSS property to change the border of an element to XYZ 38.5420, 43.1998, 33.5011 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(173, 179, 146) }
```


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

```
.border{ border-color:rgb(173, 179, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 179, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 179, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 179, 146);  
box-shadow:4px 4px 4px 4px rgb(173, 179,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5420, 43.1998, 33.5011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 179, 146) }
```

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

```
.background{ background-color: rgb(173,  
179, 146) }
```

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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