

Converting Colors

XYZ(39.9292, 47.2489, 33.9518)

Have a look what the booklet for
XYZ(39.9292, 47.2489, 33.9518)
contains.

XYZ(39.8865, 47.3063, 33.8168)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.8865, 47.3063,
33.8168)**

Conversions

Conversions Part 1

Format	Color
Hex	A9BE91
RGB	169, 190, 145
RGB Percent	66%, 75%, 57%
CMY	0.3373, 0.2549, 0.4314
CMYK	0.11, 0.00, 0.24, 0.25
HSL	88°, 26%, 66%
HSV	88°, 24%, 75%
XYZ	39.8865, 47.3063, 33.8168
YIQ	178.5910, 1.9290, -18.4470

Conversions

Conversions Part 2

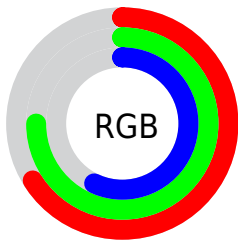
Format	Color
RYB	145, 190, 166
Decimal	11124369
CIELab	74.39, -15.25, 20.39
CIELCh	74, 25.467, 126.791
Yxy	47.3063, 0.3296, 0.3909
Android (android.graphics.Color)	4289314449 (0xFFA9BE91)
YUV	178.5910, -16.5604, -8.4113
Hunter-Lab	68.7796, -16.8489, 18.9946

Details

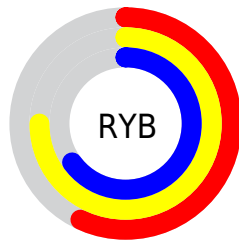
The XYZ color **39.8865, 47.3063, 33.8168** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.1474, 32.0768, 53.0568**, and the grayscale version is **42.7158, 44.9403, 48.9400**.

A 20% lighter version of the original color is **74.3159, 86.0426, 66.7238**, and **18.1685, 22.4125, 13.9581** is the 20% darker color. If you saturate the color by 10%, you get **36.7042, 45.8225, 26.6492**, and if you desaturate by 10%, it is **43.4454, 48.9587, 42.2831**.

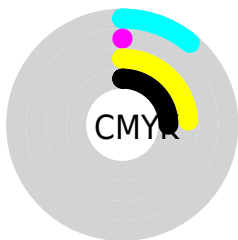
Distribution



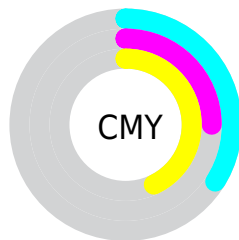
- Red (66%)
- Green (75%)
- Blue (57%)



- Red (57%)
- Yellow (75%)
- Blue (65%)



- Cyan (11%)
- Magenta (0%)
- Yellow (24%)
- Black (25%)





- Cyan (34%)
- Magenta (25%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.8865, 47.3063, 33.8168 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 39.8865, 47.3063, 33.8168 by changing the saturation by 10% instead.


 39.8865, 47.3063,
33.8168


 39.8865, 47.3063,
33.8168


336.7876,
376.0358, 334.0586

 27.6339, 33.2779,
22.4767


 74.2761, 86.1707,
66.7793

 18.1889, 22.3394,
14.0059


 97.1438, 111.7754,
89.2388

 11.1862, 14.1065,
7.9860


124.2805,
142.0076, 116.2418

 6.2604, 8.1948,
3.9983

156.0517,
177.2518, 148.2068

 3.0462, 4.2198,
1.6244

192.8226,
217.8923, 185.5525

 1.1783, 1.7973,
0.3082

234.9587,

 0.0891, 0.4855,

264.3136, 228.6973

0.0000

282.8252,
316.8999, 278.0598

■ 0.0000, 0.0000,
0.0000

■ 39.8865, 47.3063,
33.8168

■ 39.8865, 47.3063,
33.8168

■ 36.7042, 45.8225,
26.6492

■ 43.4454, 48.9587,
42.2831

■ 33.8800, 44.4951,
20.7129

■ 47.3911, 50.7795,
52.1048

■ 31.3995, 43.3194,
15.9391

■ 51.7377, 52.7761,
63.3389

■ 29.2452, 42.2883,
12.2513

■ 56.4976, 54.9537,
76.0384

■ 27.3982, 41.3937,
9.5633

■ 61.6826, 57.3175,
90.2534

■ 25.8367, 40.6267,
7.7762

■ 66.6525, 59.6114,
102.6009

■ 24.5352, 39.9766,
6.7709

■ 69.4440, 61.0505,
102.7316

■ 23.8178, 39.6144,
6.3910

■ 72.3806, 62.5644,
102.8690

■ 75.4644, 64.1541,
103.0133

Harmonies

Analogous

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



43.9286, 47.3063, 30.2821



39.8865, 47.3063, 33.8168



37.3364, 47.3063, 42.1840

Triad

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



39.8865, 47.3063, 33.8168



41.5771, 47.3063, 78.3778



54.2994, 47.3063, 48.5798

Complementary

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



39.8865, 47.3063, 33.8168



35.1474, 32.0768, 53.0568

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.



53.5637, 47.3063, 62.1148



39.8865, 47.3063, 33.8168



46.0140, 47.3063, 80.8730

Square

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



39.8865, 47.3063, 33.8168



38.2652, 47.3063, 68.1607



50.4534, 47.3063, 74.4934



52.4005, 47.3063, 37.8167

Rectangle

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



39.8865, 47.3063, 33.8168



36.7217, 47.3063, 50.1078



50.4534, 47.3063, 74.4934



54.3539, 47.3063, 52.9351

Sweetspot

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



39.8877, 47.3084, 33.8178



83.3433, 90.8485, 88.0319



39.9841, 40.2656, 32.4534



18.2044, 19.9048, 19.0883



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.



39.8877, 47.3084, 33.8178



69.4449, 84.4048, 54.7996



35.4688, 45.0303, 33.6110



9.8815, 10.8933, 10.1584



15.9280, 26.3871, 4.2537



0.6988, 1.0722, 0.1701

Inverse Universe

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



35.1474, 32.0768, 53.0568



59.4783, 52.3773, 95.2541



40.2839, 34.7247, 53.2972



9.4284, 9.4377, 11.9969



8.9880, 3.9195, 32.6757



0.4276, 0.1925, 1.2835

Previews

White Background



This preview shows how the XYZ color 39.8865, 47.3063, 33.8168 looks on a white background.

Color Contrast Check

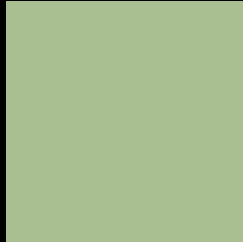
Large Text (above 18pt) WCAG AA × Fail

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 39.8865, 47.3063, 33.8168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

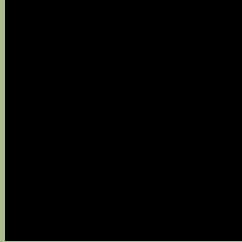
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.8865, 47.3063, 33.8168

Background



This preview shows how black text looks on a background with the XYZ color 39.8865, 47.3063, 33.8168.



This preview shows how white text looks on a background with the XYZ color 39.8865, 47.3063,

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

39.8865, 47.3063, 33.8168

Protanopia

44.0413, 46.9811, 31.9463

Deuteranopia

47.8266, 46.7951, 34.5286



Tritanopia

45.1430, 47.2453, 59.5633

Trichromacy



Original Color

39.8865, 47.3063, 33.8168

Protanomaly

42.4811, 47.0900, 32.4415

Deuteranomaly

44.3527, 46.4849, 34.2386

Tritanomaly

43.0503, 47.3308, 48.9862

Monochromacy



Original Color

39.8865, 47.3063, 33.8168

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.5877, 45.7710, 43.2020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8865, 47.3063, 33.8168 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(169, 190, 145)` looks like.

```
.text, #text, p{  
    color:rgb(169, 190, 145)  
}
```

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(169, 190, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 190, 145) }
```

Border

The CSS property to change the border of an element to XYZ 39.8865, 47.3063, 33.8168 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(169, 190, 145) }
```


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

```
.border{ border-color:rgb(169, 190, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 190, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 190, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 190, 145);  
box-shadow:4px 4px 4px 4px rgb(169, 190,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8865, 47.3063, 33.8168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 190, 145) }
```

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

```
.background{ background-color: rgb(169,  
190, 145) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor