

Converting Colors

XYZ(39.7709, 46.8899, 35.3883)

Have a look what the booklet for
XYZ(39.7709, 46.8899, 35.3883)
contains.

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Color

**XYZ(39.7709, 46.8899,
35.3883)**

Conversions

Conversions Part 1

Format	Color
Hex	A8BD95
RGB	168, 189, 149
RGB Percent	66%, 74%, 58%
CMY	0.3412, 0.2588, 0.4157
CMYK	0.11, 0.00, 0.21, 0.26
HSL	92°, 23%, 66%
HSV	92°, 21%, 74%
XYZ	39.7709, 46.8899, 35.3883
YIQ	178.1610, 0.3240, -16.8920

Conversions

Conversions Part 2

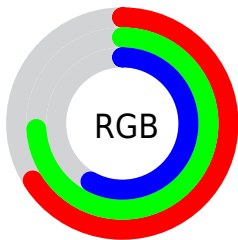
Format	Color
RYB	149, 189, 170
Decimal	11058581
CIELab	74.12, -14.47, 17.87
CIELCh	74, 22.992, 128.994
Yxy	46.8899, 0.3259, 0.3842
Android (android.graphics.Color)	4289248661 (0xFFA8BD95)
YUV	178.1610, -14.3764, -8.9112
Hunter-Lab	68.4762, -16.1608, 17.2924

Details

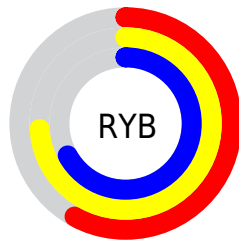
The XYZ color **39.7709, 46.8899, 35.3883** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.5121, 33.7163, 52.7300**, and the grayscale version is **42.4768, 44.6889, 48.6662**.

A 20% lighter version of the original color is **73.8633, 85.3046, 69.0723**, and **18.2112, 22.2032, 14.8811** is the 20% darker color. If you saturate the color by 10%, you get **36.3504, 45.2884, 27.9804**, and if you desaturate by 10%, it is **43.6001, 48.6766, 44.0955**.

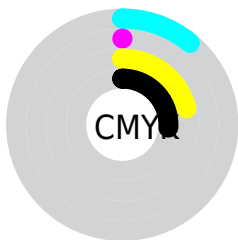
Distribution



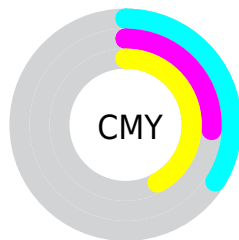
- Red (66%)
- Green (74%)
- Blue (58%)



- Red (58%)
- Yellow (74%)
- Blue (67%)



- Cyan (11%)
- Magenta (0%)
- Yellow (21%)
- Black (26%)





- Cyan (34%)
- Magenta (26%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.7709, 46.8899, 35.3883 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 39.7709, 46.8899, 35.3883 by changing the saturation by 10% instead.


 39.7709, 46.8899,
35.3883


 39.7709, 46.8899,
35.3883


336.3080,
374.3749, 341.2351

 27.5434, 32.9486,
23.6762


 74.1011, 85.5493,
69.2453

 18.1204, 22.0871,
14.8836


 96.9345, 111.0361,
92.2272

 11.1367, 13.9209,
8.5920


124.0338,
141.1403, 119.8028

 6.2268, 8.0657,
4.3829

155.7645,
176.2462, 152.3906

 3.0255, 4.1370,
1.8377

192.4920,
216.7382, 190.4093

 1.1672, 1.7505,
0.4526

234.5814,

 0.0803, 0.4560,

263.0008, 234.2772

0.0000

282.3983,
315.4182, 284.4130

■ 0.0000, 0.0000,
0.0000

■ 39.7709, 46.8899,
35.3883

■ 39.7709, 46.8899,
35.3883

■ 36.3504, 45.2884,
27.9804

■ 43.6001, 48.6766,
44.0955

■ 33.3194, 43.8594,
21.8066

■ 47.8487, 50.6485,
54.1572

■ 30.6628, 42.5979,
16.8003


■ 52.5316, 52.8136,
65.6288


■ 28.3627, 41.4964,
12.8878


■ 57.6619, 55.1774,
78.5620

■ 26.3995, 40.5465,
9.9867


■ 63.2520, 57.7453,
93.0057

 24.7513, 39.7390,
8.0030


 68.0984, 60.0363,
102.6067

 23.3924, 39.0631,
6.8251

 71.3294, 61.7019,
102.7579

 22.3925, 38.5591,
6.2624

 74.7438, 63.4621,
102.9177

 77.4885, 64.8770,
103.0462

Harmonies

Analogous

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



43.3416, 46.8899, 31.7817



39.7709, 46.8899, 35.3883



37.5803, 46.8899, 43.3542

Triad

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



39.7709, 46.8899, 35.3883



41.7904, 46.8899, 75.2709



52.8498, 46.8899, 47.5931

Complementary

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



39.7709, 46.8899, 35.3883



36.5121, 33.7163, 52.7300

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.



52.3711, 46.8899, 59.6180



39.7709, 46.8899, 35.3883



45.8162, 46.8899, 76.8721

Square

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



39.7709, 46.8899, 35.3883



38.6954, 46.8899, 66.6858



49.7349, 46.8899, 70.7736



51.0054, 46.8899, 38.0803

Rectangle

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



39.7709, 46.8899, 35.3883



37.1139, 46.8899, 50.6584



49.7349, 46.8899, 70.7736



52.9575, 46.8899, 51.4539

Sweetspot

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



39.7721, 46.8919, 35.3893



81.8451, 88.9230, 87.7956



40.7251, 41.6151, 34.3206



17.4943, 19.0732, 18.6290



90.7827, 95.5105, 104.0109



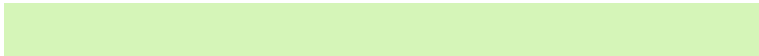
18.6292, 19.5994, 21.3438

Same Dimension

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



39.7721, 46.8919, 35.3893



68.5459, 82.7242, 57.4825



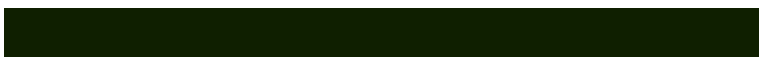
36.0716, 44.9781, 35.4948



9.8282, 10.8658, 10.1559



15.1527, 25.9874, 4.2174



0.6691, 1.0569, 0.1687

Inverse Universe

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



36.5121, 33.7163, 52.7300



61.7484, 55.2536, 93.6367



40.8486, 35.9602, 52.5560



9.4816, 9.4652, 11.9994



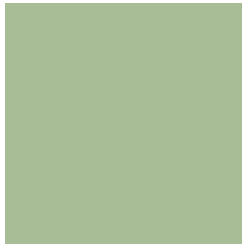
9.7483, 4.3115, 32.7113



0.4569, 0.2076, 1.2848

Previews

White Background



This preview shows how the XYZ color 39.7709, 46.8899, 35.3883 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 39.7709, 46.8899, 35.3883 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 39.7709, 46.8899, 35.3883

Background



This preview shows how black text looks on a background with the XYZ color 39.7709, 46.8899, 35.3883.



This preview shows how white text looks on a background with the XYZ color 39.7709, 46.8899,

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

39.7709, 46.8899, 35.3883

Protanopia

43.8311, 46.8377, 33.5185

Deuteranopia

47.5758, 46.6286, 36.1985



Tritanopia

44.4852, 46.6011, 59.4736

Trichromacy



Original Color

39.7709, 46.8899, 35.3883

Protanomaly

42.3044, 46.9636, 34.0293

Deuteranomaly

44.4128, 46.4790, 35.9087

Tritanomaly

42.6004, 46.7639, 49.9611

Monochromacy



Original Color

39.7709, 46.8899, 35.3883

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.1586, 45.2446, 43.1230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7709, 46.8899, 35.3883 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(168, 189, 149)` looks like.

```
.text, #text, p{  
    color:rgb(168, 189, 149)  
}
```

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(168, 189, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 189, 149) }
```

Border

The CSS property to change the border of an element to XYZ 39.7709, 46.8899, 35.3883 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(168, 189, 149) }
```


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

```
.border{ border-color:rgb(168, 189, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 189, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 189, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 189, 149);  
box-shadow:4px 4px 4px 4px rgb(168, 189,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7709, 46.8899, 35.3883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 189, 149) }
```

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

```
.background{ background-color: rgb(168,  
189, 149) }
```

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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