

Converting Colors

XYZ(39.3771, 45.5465, 38.3325)

Have a look what the booklet for
XYZ(39.3771, 45.5465, 38.3325)
contains.

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Color

**XYZ(39.4960, 45.7336,
38.1983)**

Conversions

Conversions Part 1

Format	Color
Hex	A7BA9C
RGB	167, 186, 156
RGB Percent	65%, 73%, 61%
CMY	0.3451, 0.2706, 0.3882
CMYK	0.10, 0.00, 0.16, 0.27
HSL	98°, 18%, 67%
HSV	98°, 16%, 73%
XYZ	39.4960, 45.7336, 38.1983
YIQ	176.8990, -1.6940, -13.3580

Conversions

Conversions Part 2

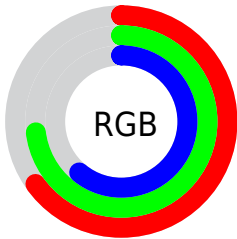
Format	Color
RYB	156, 186, 175
Decimal	10992284
CIELab	73.37, -12.11, 13.03
CIELCh	73, 17.793, 132.898
Yxy	45.7336, 0.3200, 0.3705
Android (android.graphics.Color)	4289182364 (0xFFA7BA9C)
YUV	176.8990, -10.3032, -8.6814
Hunter-Lab	67.6266, -14.0972, 13.8492

Details

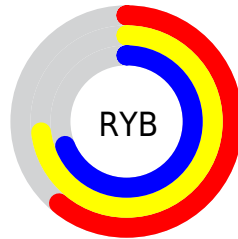
The XYZ color **39.4960, 45.7336, 38.1983** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.4324, 36.4373, 51.4643**, and the grayscale version is **41.7910, 43.9674, 47.8805**.

A 20% lighter version of the original color is **73.6342, 83.7370, 73.9099**, and **18.0076, 21.4398, 16.5538** is the 20% darker color. If you saturate the color by 10%, you get **35.6637, 43.9276, 30.4172**, and if you desaturate by 10%, it is **43.7987, 47.7569, 47.2623**.

Distribution



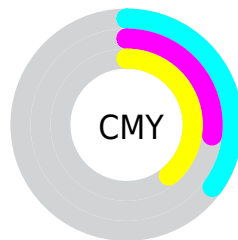
- Red (65%)
- Green (73%)
- Blue (61%)



- Red (61%)
- Yellow (73%)
- Blue (69%)



- Cyan (10%)
- Magenta (0%)
- Yellow (16%)
- Black (27%)



- Cyan (35%)
- Magenta (27%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4960, 45.7336, 38.1983 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 39.4960, 45.7336, 38.1983 by changing the saturation by 10% instead.

■ 39.4960, 45.7336,
38.1983

■ 39.4960, 45.7336,
38.1983

335.1657,
369.7366, 353.7935

■ 27.3283, 32.0357,
25.8336

■ 73.6847, 83.8202,
73.6188

■ 17.9578, 21.3887,
16.4746

■ 96.4363, 108.9776,
97.5116

■ 11.0192, 13.4084,
9.7026

123.4466,
138.7236, 126.0843

■ 6.1471, 7.7104,
5.0992

155.0809,
173.4426, 159.7553

■ 2.9763, 3.9102,
2.2458

191.7046,
213.5190, 198.9432

■ 1.1412, 1.6235,
0.7006

233.6831,

■ 0.0592, 0.3733,

259.3372, 244.0665

0.0000

281.3817,
311.2816, 295.5437

■ 0.0000, 0.0000,
0.0000

■ 39.4960, 45.7336,
38.1983

■ 39.4960, 45.7336,
38.1983

■ 35.6637, 43.9276,
30.4172

■ 43.7987, 47.7569,
47.2623

■ 32.2813, 42.3256,
23.8583

■ 48.5843, 49.9988,
57.6606

■ 29.3319, 40.9215,
18.4602

■ 53.8692, 52.4679,
69.4451

■ 26.7961, 39.7069,
14.1549

■ 59.6679, 55.1706,
82.6643

■ 24.6528, 38.6726,
10.8677

■ 65.9943, 58.1132,
97.3643

■ 22.8788, 37.8083,
8.5143

■ 70.7653, 60.4630,
102.5485

■ 21.4479, 37.1028,
6.9966

■ 74.8446, 62.5659,
102.7394

■ 20.3280, 36.5421,
6.1886

■ 76.8498, 63.5996,
102.8333

■ 19.9571, 36.3555,
5.9655

Harmonies

Analogous

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



42.1377, 45.7336, 34.8031



39.4960, 45.7336, 38.1983



37.9620, 45.7336, 44.8938

Triad

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



39.4960, 45.7336, 38.1983



41.7212, 45.7336, 68.1698



49.6079, 45.7336, 46.0439

Complementary

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



39.4960, 45.7336, 38.1983



38.4324, 36.4373, 51.4643

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.



49.4831, 45.7336, 55.0429



39.4960, 45.7336, 38.1983



44.8268, 45.7336, 68.5743

Square

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



39.4960, 45.7336, 38.1983



39.2037, 45.7336, 62.4852



47.6986, 45.7336, 63.5318



48.0317, 45.7336, 38.9529

Rectangle

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



39.4960, 45.7336, 38.1983



37.7262, 45.7336, 50.6735



47.6986, 45.7336, 63.5318



49.7656, 45.7336, 48.9289

Sweetspot

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



39.4972, 45.7356, 38.1993



80.2506, 86.9645, 87.5204



41.5823, 43.5012, 37.6581



17.5436, 19.0906, 18.9968



90.7827, 95.5105, 104.0109



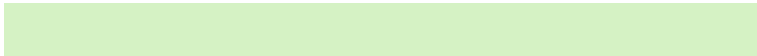
18.6292, 19.5994, 21.3438

Same Dimension

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



39.4972, 45.7356, 38.1993



69.2844, 81.8094, 64.4966



37.6157, 44.7258, 39.9090



9.1930, 10.2161, 9.5943



13.5019, 24.4968, 4.0167



0.5452, 0.8992, 0.1448

Inverse Universe

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



38.4324, 36.4373, 51.4643



67.0234, 62.0742, 92.6504



40.5834, 37.5947, 49.3756



9.0531, 8.9937, 11.3382



11.0564, 5.0110, 31.6376



0.4553, 0.2104, 1.1184

Previews

White Background



This preview shows how the XYZ color 39.4960, 45.7336, 38.1983 looks on a white background.

Color Contrast Check

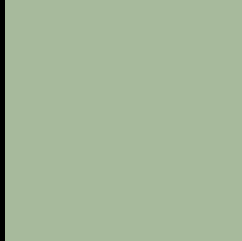
Large Text (above 18pt) WCAG AA × Fail

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 39.4960, 45.7336, 38.1983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

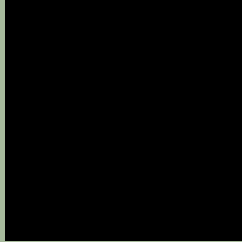
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.4960, 45.7336, 38.1983

Background



This preview shows how black text looks on a background with the XYZ color 39.4960, 45.7336, 38.1983.



This preview shows how white text looks on a background with the XYZ color 39.4960, 45.7336,

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

39.4960, 45.7336, 38.1983

Protanopia

42.8561, 45.3589, 36.6334

Deuteranopia

46.3784, 45.3695, 39.1137



Tritanopia

43.6078, 45.8721, 58.1856

Trichromacy



Original Color

39.4960, 45.7336, 38.1983

Protanomaly

41.6167, 45.6127, 37.1826

Deuteranomaly

43.5778, 45.3858, 38.8113

Tritanomaly

42.0686, 45.8611, 50.3509

Monochromacy



Original Color

39.4960, 45.7336, 38.1983

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

40.7163, 44.3913, 43.9585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4960, 45.7336, 38.1983 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(167, 186, 156)` looks like.

```
.text, #text, p{  
    color:rgb(167, 186, 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(167, 186, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 186, 156) }
```

Border

The CSS property to change the border of an element to XYZ 39.4960, 45.7336, 38.1983 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(167, 186, 156) }
```


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

```
.border{ border-color:rgb(167, 186, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 186, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 186, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 186, 156);  
box-shadow:4px 4px 4px 4px rgb(167, 186,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4960, 45.7336, 38.1983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 186, 156) }
```

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

```
.background{ background-color: rgb(167,  
186, 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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