

Converting Colors

XYZ(40.2574, 45.4416, 38.5032)

Have a look what the booklet for
XYZ(40.2574, 45.4416, 38.5032)
contains.

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Color

**XYZ(40.2396, 45.4860,
38.5571)**

Conversions

Conversions Part 1

Format	Color
Hex	ACB89D
RGB	172, 184, 157
RGB Percent	67%, 72%, 62%
CMY	0.3255, 0.2784, 0.3843
CMYK	0.07, 0.00, 0.15, 0.28
HSL	87°, 16%, 67%
HSV	87°, 15%, 72%
XYZ	40.2396, 45.4860, 38.5571
YIQ	177.3340, 1.5150, -10.9410

Conversions

Conversions Part 2

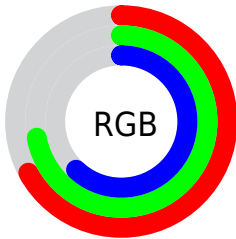
Format	Color
RYB	157, 184, 169
Decimal	11319453
CIELab	73.21, -9.09, 12.32
CIELCh	73, 15.306, 126.425
Yxy	45.4860, 0.3238, 0.3660
Android (android.graphics.Color)	4289509533 (0xFFACB89D)
YUV	177.3340, -10.0247, -4.6779
Hunter-Lab	67.4433, -11.5250, 13.3144

Details

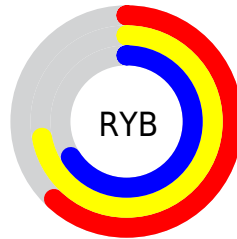
The XYZ color **40.2396, 45.4860, 38.5571** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.0727, 36.0109, 50.3467**, and the grayscale version is **42.0172, 44.2053, 48.1396**.

A 20% lighter version of the original color is **74.7223, 83.4045, 74.4478**, and **18.4635, 21.2663, 16.7673** is the 20% darker color. If you saturate the color by 10%, you get **37.0456, 44.0088, 30.8156**, and if you desaturate by 10%, it is **43.7833, 47.1188, 47.5519**.

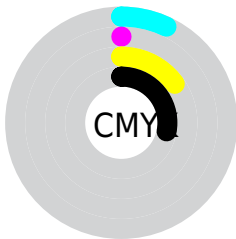
Distribution



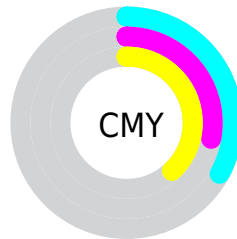
- Red (67%)
- Green (72%)
- Blue (62%)



- Red (62%)
- Yellow (72%)
- Blue (66%)



- Cyan (7%)
- Magenta (0%)
- Yellow (15%)
- Black (28%)



- Cyan (33%)
- Magenta (28%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2396, 45.4860, 38.5571 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 40.2396, 45.4860, 38.5571 by changing the saturation by 10% instead.

■ 40.2396, 45.4860,
38.5571

■ 40.2396, 45.4860,
38.5571

338.2495,
368.7383, 355.3734

■ 27.9104, 31.8404,
26.1102

■ 74.8103, 83.4492,
74.1741

■ 18.3983, 21.2396,
16.6796

■ 97.7825, 108.5356,
98.1813

■ 11.3377, 13.2993,
9.8468

125.0331,
138.2045, 126.8789

■ 6.3634, 7.6350,
5.1932

156.9274,
172.8401, 160.6856

■ 3.1101, 3.8623,
2.3003

193.8309,
212.8269, 200.0198

■ 1.2122, 1.5968,
0.7314

236.1088,

■ 0.1160, 0.3555,

258.5492, 245.3002

0.0000

284.1266,
310.3916, 296.9452

■ 0.0000, 0.0000,
0.0000

■ 40.2396, 45.4860,
38.5571

■ 40.2396, 45.4860,
38.5571

■ 37.0456, 44.0088,
30.8156

■ 43.7833, 47.1188,
47.5519

■ 34.1849, 42.6760,
24.2688

■ 47.6846, 48.9061,
57.8492

■ 31.6456, 41.4841,
18.8578


■ 51.9562, 50.8548,
69.4991


■ 29.4131, 40.4269,
14.5177


■ 56.6085, 52.9691,
82.5483


■ 27.4717, 39.4981,
11.1769


■ 61.6519, 55.2535,
97.0411


 25.8040, 38.6902,
8.7550


 65.0338, 56.8872,
102.1604


 24.3901, 37.9952,
7.1594

 67.5866, 58.2032,
102.2799

 23.2064, 37.4032,
6.2778

 70.2624, 59.5826,
102.4051

 22.6448, 37.1199,
5.9714

 73.0628, 61.0263,
102.5362

Harmonies

Analogous

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



42.6579, 45.4860, 36.2393



40.2396, 45.4860, 38.5571



38.6720, 45.4860, 43.8455

Triad

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



40.2396, 45.4860, 38.5571



41.2010, 45.4860, 64.3511



48.5688, 45.4860, 47.8904

Complementary

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



40.2396, 45.4860, 38.5571



37.0727, 36.0109, 50.3467

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.



48.1394, 45.4860, 55.6782



40.2396, 45.4860, 38.5571



43.8134, 45.4860, 65.7194

Square

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



40.2396, 45.4860, 38.5571



39.2108, 45.4860, 58.8344



46.3715, 45.4860, 62.4010



47.5215, 45.4860, 41.2561

Rectangle

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



40.2396, 45.4860, 38.5571



38.2826, 45.4860, 48.6103



46.3715, 45.4860, 62.4010



48.5929, 45.4860, 50.4541

Sweetspot

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



40.2408, 45.4880, 38.5581



79.7762, 85.6000, 87.2632



39.9869, 40.8907, 37.6841



17.0888, 18.4034, 18.5286



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



40.2408, 45.4880, 38.5581



70.7719, 81.4515, 64.5474



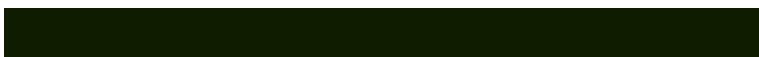
37.4861, 44.0679, 38.4292



9.3545, 10.2994, 9.6018



15.6882, 25.6239, 4.1190



0.6230, 0.9394, 0.1485

Inverse Universe

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



37.0727, 36.0109, 50.3467



63.7890, 60.5621, 90.5322



40.0491, 37.5453, 50.4860



8.8899, 8.9096, 11.3306



8.4273, 3.6556, 31.5145



0.3685, 0.1657, 1.1143

Previews

White Background



This preview shows how the XYZ color 40.2396, 45.4860, 38.5571 looks on a white background.

Color Contrast Check

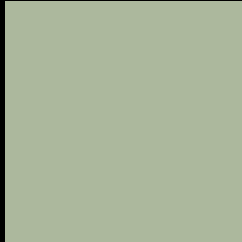
Large Text (above 18pt) WCAG AA × Fail

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 40.2396, 45.4860, 38.5571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

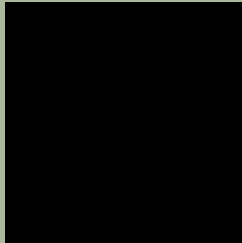
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.2396, 45.4860, 38.5571

Background



This preview shows how black text looks on a background with the XYZ color 40.2396, 45.4860, 38.5571.



This preview shows how white text looks on a background with the XYZ color 40.2396, 45.4860,

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

40.2396, 45.4860, 38.5571

Protanopia

43.0228, 45.4256, 37.5108

Deuteranopia

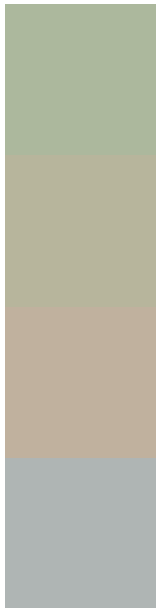
46.1034, 45.2277, 39.1008



Tritanopia

43.8772, 45.4376, 56.9098

Trichromacy



Original Color

40.2396, 45.4860, 38.5571

Protanomaly

42.0531, 45.5153, 38.0214

Deuteranomaly

43.6319, 45.1194, 38.7570

Tritanomaly

42.4413, 45.4570, 49.7172

Monochromacy



Original Color

40.2396, 45.4860, 38.5571

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

41.2562, 44.6588, 44.4758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2396, 45.4860, 38.5571 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(172, 184, 157)` looks like.

```
.text, #text, p{  
    color:rgb(172, 184, 157)  
}
```

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(172, 184, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 184, 157) }
```

Border

The CSS property to change the border of an element to XYZ 40.2396, 45.4860, 38.5571 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(172, 184, 157) }
```


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

```
.border{ border-color:rgb(172, 184, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 184, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 184, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 184, 157);  
box-shadow:4px 4px 4px 4px rgb(172, 184,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2396, 45.4860, 38.5571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 184, 157) }
```

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

```
.background{ background-color: rgb(172,  
184, 157) }
```

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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