

Converting Colors

XYZ(39.9956, 45.3830, 38.7148)

Have a look what the booklet for
XYZ(39.9956, 45.3830, 38.7148)
contains.

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Color

**XYZ(40.0209, 45.3732,
38.5469)**

Conversions

Conversions Part 1

Format	Color
Hex	ABB89D
RGB	171, 184, 157
RGB Percent	67%, 72%, 62%
CMY	0.3294, 0.2784, 0.3843
CMYK	0.07, 0.00, 0.15, 0.28
HSL	89°, 16%, 67%
HSV	89°, 15%, 72%
XYZ	40.0209, 45.3732, 38.5469
YIQ	177.0350, 0.9190, -11.1530

Conversions

Conversions Part 2

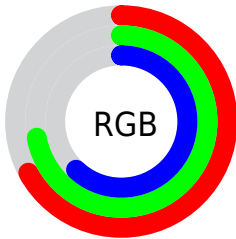
Format	Color
RYB	157, 184, 170
Decimal	11253917
CIELab	73.14, -9.45, 12.20
CIELCh	73, 15.433, 127.763
Yxy	45.3732, 0.3229, 0.3661
Android (android.graphics.Color)	4289443997 (0xFFABB89D)
YUV	177.0350, -9.8773, -5.2927
Hunter-Lab	67.3596, -11.8258, 13.2227

Details

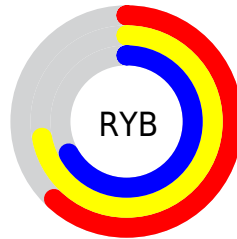
The XYZ color **40.0209, 45.3732, 38.5469** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.2880, 36.1219, 50.3567**, and the grayscale version is **41.8593, 44.0392, 47.9587**.

A 20% lighter version of the original color is **74.4078, 83.2424, 74.4330**, and **18.3256, 21.1951, 16.7609** is the 20% darker color. If you saturate the color by 10%, you get **36.7013, 43.8313, 30.7995**, and if you desaturate by 10%, it is **43.7090, 47.0804, 47.5485**.

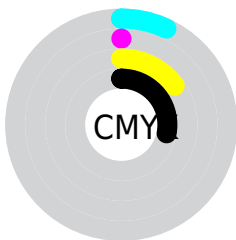
Distribution



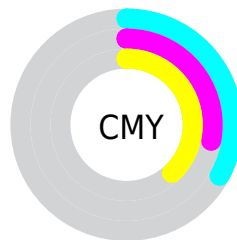
- Red (67%)
- Green (72%)
- Blue (62%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0209, 45.3732, 38.5469 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 40.0209, 45.3732, 38.5469 by changing the saturation by 10% instead.

■ 40.0209, 45.3732,
38.5469

■ 40.0209, 45.3732,
38.5469

337.3446,
368.2829, 355.3285

■ 27.7391, 31.7515,
26.1023

■ 74.4795, 83.2802,
74.1583

■ 18.2685, 21.1718,
16.6737

■ 97.3870, 108.3342,
98.1622

■ 11.2438, 13.2496,
9.8427

124.5671,
137.9678, 126.8563

■ 6.2996, 7.6007,
5.1905

156.3852,
172.5653, 160.6591

■ 3.0705, 3.8405,
2.2988

193.2067,
212.5112, 199.9892

■ 1.1911, 1.5847,
0.7305

235.3968,

■ 0.0994, 0.3473,

258.1898, 245.2651

0.0000

283.3210,
309.9856, 296.9054

■ 0.0000, 0.0000,
0.0000

■ 40.0209, 45.3732,
38.5469

■ 40.0209, 45.3732,
38.5469

■ 36.7013, 43.8313,
30.7995

■ 43.7090, 47.0804,
47.5485

■ 33.7334, 42.4432,
24.2477

■ 47.7743, 48.9523,
57.8534

■ 31.1046, 41.2052,
18.8325

■ 52.2297, 50.9957,
69.5120

■ 28.7999, 40.1108,
14.4890

■ 57.0863, 53.2154,
82.5707

■ 26.8028, 39.1532,
11.1456

■ 62.3548, 55.6158,
97.0740

■ 25.0954, 38.3249,
8.7219

■ 65.9832, 57.3765,
102.2048

■ 23.6570, 37.6172,
7.1251

■ 68.8043, 58.8309,
102.3369

■ 22.4633, 37.0201,
6.2430

■ 71.7707, 60.3601,
102.4757

■ 21.9020, 36.7369,
5.9366

■ 74.8844, 61.9652,
102.6214

Harmonies

Analogous

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



42.4276, 45.3732, 36.0752



40.0209, 45.3732, 38.5469



38.4921, 45.3732, 43.9826

Triad

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



40.0209, 45.3732, 38.5469



41.1889, 45.3732, 64.5007



48.4828, 45.3732, 47.4203

Complementary

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



40.0209, 45.3732, 38.5469



37.2880, 36.1219, 50.3567

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.



48.1174, 45.3732, 55.2529



40.0209, 45.3732, 38.5469



43.8317, 45.3732, 65.6669

Square

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



40.0209, 45.3732, 38.5469



39.1465, 45.3732, 59.0905



46.3874, 45.3732, 62.1287



47.3661, 45.3732, 40.8380

Rectangle

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



40.0209, 45.3732, 38.5469



38.1385, 45.3732, 48.8251



46.3874, 45.3732, 62.1287



48.5301, 45.3732, 49.9868

Sweetspot

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



40.0221, 45.3752, 38.5479



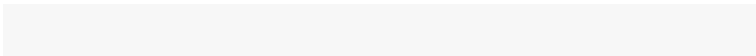
79.6588, 85.5394, 87.2577



40.1545, 41.2260, 37.7400



17.0589, 18.3880, 18.5272



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.



40.0221, 45.3752, 38.5479



70.2891, 81.2026, 64.5248



37.3085, 43.9763, 38.4209



9.3225, 10.2829, 9.6004



15.1760, 25.3598, 4.0951



0.6061, 0.9306, 0.1477

Inverse Universe

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



37.2880, 36.1219, 50.3567



64.2626, 60.8062, 90.5544



40.2626, 37.6554, 50.4959



8.9216, 8.9259, 11.3321



8.8570, 3.8771, 31.5346



0.3838, 0.1736, 1.1150

Previews

White Background



This preview shows how the XYZ color 40.0209, 45.3732, 38.5469 looks on a white background.

Color Contrast Check

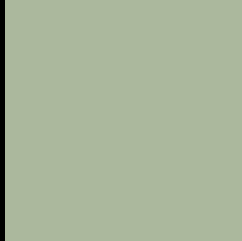
Large Text (above 18pt) WCAG AA × Fail

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 40.0209, 45.3732, 38.5469 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

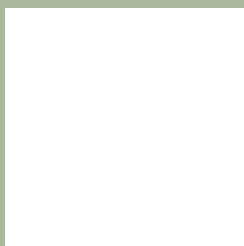
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.0209, 45.3732, 38.5469

Background



This preview shows how black text looks on a background with the XYZ color 40.0209, 45.3732, 38.5469.



This preview shows how white text looks on a background with the XYZ color 40.0209, 45.3732,

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

40.0209, 45.3732, 38.5469

Protanopia

42.6919, 45.2647, 37.0587

Deuteranopia

46.1034, 45.2277, 39.1008



Tritanopia

43.6502, 45.3206, 56.8992

Trichromacy



Original Color

40.0209, 45.3732, 38.5469

Protanomaly

41.7317, 45.3594, 37.5661

Deuteranomaly

43.6319, 45.1194, 38.7570

Tritanomaly

42.2177, 45.3417, 49.7067

Monochromacy



Original Color

40.0209, 45.3732, 38.5469

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 40.0209, 45.3732, 38.5469 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(171, 184, 157)` looks like.

```
.text, #text, p{  
    color:rgb(171, 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(171, 184, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 184, 157) }
```

Border

The CSS property to change the border of an element to XYZ 40.0209, 45.3732, 38.5469 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(171, 184, 157) }
```


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

```
.border{ border-color:rgb(171, 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(171, 184, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 184, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 184, 157);  
box-shadow:4px 4px 4px 4px rgb(171, 184,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0209, 45.3732, 38.5469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 184, 157) }
```

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

```
.background{ background-color: rgb(171,  
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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