

Converting Colors

XYZ(40.9628, 45.8427, 39.5499)

Have a look what the booklet for
XYZ(40.9628, 45.8427, 39.5499)
contains.

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Color

**XYZ(40.8541, 45.7829,
39.4846)**

Conversions

Conversions Part 1

Format	Color
Hex	AEB89F
RGB	174, 184, 159
RGB Percent	68%, 72%, 62%
CMY	0.3176, 0.2784, 0.3765
CMYK	0.05, 0.00, 0.14, 0.28
HSL	84°, 15%, 67%
HSV	84°, 14%, 72%
XYZ	40.8541, 45.7829, 39.4846
YIQ	178.1600, 2.0650, -9.8950

Conversions

Conversions Part 2

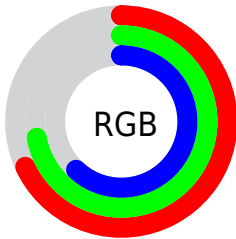
Format	Color
RYB	159, 184, 169
Decimal	11450527
CIELab	73.40, -8.02, 11.52
CIELCh	73, 14.041, 124.841
Yxy	45.7829, 0.3239, 0.3630
Android (android.graphics.Color)	4289640607 (0xFFFAEB89F)
YUV	178.1600, -9.4459, -3.6483
Hunter-Lab	67.6631, -10.6343, 12.7656

Details

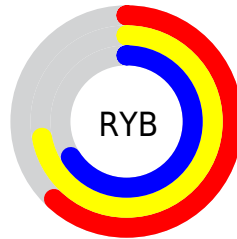
The XYZ color **40.8541, 45.7829, 39.4846** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.4138, 36.6932, 50.4605**, and the grayscale version is **42.4504, 44.6611, 48.6359**.

A 20% lighter version of the original color is **75.9308, 83.9982, 75.8296**, and **18.8491, 21.4529, 17.3347** is the 20% darker color. If you saturate the color by 10%, you get **37.7797, 44.3703, 31.6170**, and if you desaturate by 10%, it is **44.2586, 47.3409, 48.6103**.

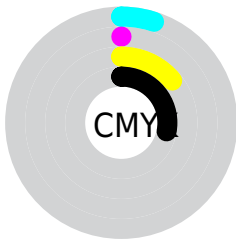
Distribution



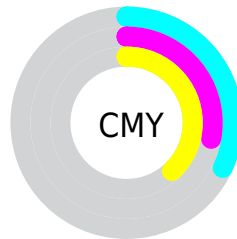
- Red (68%)
- Green (72%)
- Blue (62%)



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



- Cyan (5%)
- Magenta (0%)
- Yellow (14%)
- Black (28%)



- Cyan (32%)
- Magenta (28%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8541, 45.7829, 39.4846 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 40.8541, 45.7829, 39.4846 by changing the saturation by 10% instead.

■ 40.8541, 45.7829,
39.4846

■ 40.8541, 45.7829,
39.4846

340.7835,
369.9351, 359.4337

■ 28.3923, 32.0745,
26.8262

■ 75.7385, 83.8940,
75.6065

■ 18.7635, 21.4184,
17.2115

■ 98.8917, 109.0655,
99.9071

■ 11.6025, 13.4302,
10.2218

126.3395,
138.8269, 128.9255

■ 6.5439, 7.7255,
5.4388

158.4471,
173.5625, 163.0803

■ 3.2223, 3.9198,
2.4437

195.5800,
213.6567, 202.7900

■ 1.2724, 1.6288,
0.8101

238.1034,

■ 0.1624, 0.3769,

259.4940, 248.4731

0.0000

286.3828,
311.4587, 300.5481

■ 0.0000, 0.0000,
0.0000

■ 40.8541, 45.7829,
39.4846

■ 40.8541, 45.7829,
39.4846

■ 37.7797, 44.3703,
31.6170

■ 44.2586, 47.3409,
48.6103

■ 35.0198, 43.0923,
24.9495

■ 48.0008, 49.0430,
59.0430

■ 32.5630, 41.9455,
19.4236

■ 52.0924, 50.8956,
70.8325

■ 30.3956, 40.9244,
14.9750

■ 56.5437, 52.9030,
84.0251

■ 28.5025, 40.0227,
11.5330

■ 61.3642, 55.0690,
98.6650

■ 26.8672, 39.2336,
9.0183

■ 64.1564, 56.4348,
102.1193

■ 25.4708, 38.5494,
7.3399

■ 66.4095, 57.5964,
102.2248

■ 24.2908, 37.9609,
6.3883

■ 68.7617, 58.8090,
102.3349

■ 23.6200, 37.6227,
6.0170

■ 71.2142, 60.0733,
102.4496

Harmonies

Analogous

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



43.1151, 45.7829, 37.4710



40.8541, 45.7829, 39.4846



39.3505, 45.7829, 44.2800

Triad

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



40.8541, 45.7829, 39.4846



41.5243, 45.7829, 63.2240



48.4289, 45.7829, 48.7091

Complementary

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



40.8541, 45.7829, 39.4846



37.4138, 36.6932, 50.4605

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.



47.9640, 45.7829, 55.8681



40.8541, 45.7829, 39.4846



43.9179, 45.7829, 64.6925

Square

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



40.8541, 45.7829, 39.4846



39.7270, 45.7829, 58.0441



46.2896, 45.7829, 61.8866



47.5370, 45.7829, 42.4655

Rectangle

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



40.8541, 45.7829, 39.4846



38.9479, 45.7829, 48.6349



46.2896, 45.7829, 61.8866



48.4264, 45.7829, 51.0848

Sweetspot

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



40.8553, 45.7849, 39.4856



79.9174, 85.6727, 87.2698



40.2148, 41.0711, 38.6095



17.1247, 18.4219, 18.5303



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.



40.8553, 45.7849, 39.4856



72.5063, 82.2813, 67.5336



38.1988, 44.4154, 39.3613



9.3931, 10.3193, 9.6037



16.3593, 25.9699, 4.1505



0.6445, 0.9505, 0.1495

Inverse Universe

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



37.4138, 36.6932, 50.4605



65.1754, 62.9138, 90.9131



40.2251, 38.1425, 50.5920



8.8521, 8.8901, 11.3288



7.9640, 3.4168, 31.4928



0.3512, 0.1568, 1.1135

Previews

White Background



This preview shows how the XYZ color 40.8541, 45.7829, 39.4846 looks on a white background.

Color Contrast Check

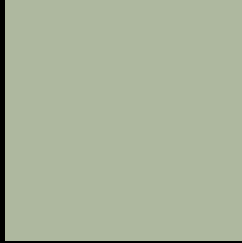
Large Text (above 18pt) WCAG AA × Fail

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 40.8541, 45.7829, 39.4846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

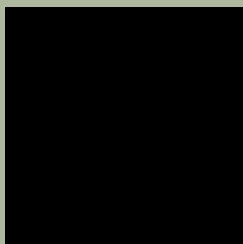
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

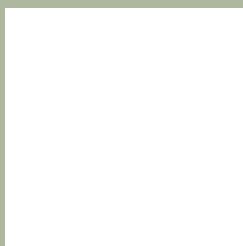
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.8541, 45.7829, 39.4846

Background



This preview shows how black text looks on a background with the XYZ color 40.8541, 45.7829, 39.4846.



This preview shows how white text looks on a background with the XYZ color 40.8541, 45.7829,

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

40.8541, 45.7829, 39.4846

Protanopia

43.3933, 45.8957, 38.4700

Deuteranopia

46.4709, 45.6827, 40.0866



Tritanopia

44.3361, 45.6742, 56.9313

Trichromacy



Original Color

40.8541, 45.7829, 39.4846

Protanomaly

42.4626, 45.7067, 38.9320

Deuteranomaly

44.2579, 45.7163, 39.7492

Tritanomaly

42.9958, 45.7311, 50.2769

Monochromacy



Original Color

40.8541, 45.7829, 39.4846

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.8034, 44.9299, 44.9971

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8541, 45.7829, 39.4846 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(174, 184, 159)` looks like.

```
.text, #text, p{  
    color:rgb(174, 184, 159)  
}
```

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(174, 184, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 184, 159) }
```

Border

The CSS property to change the border of an element to XYZ 40.8541, 45.7829, 39.4846 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(174, 184, 159) }
```


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

```
.border{ border-color:rgb(174, 184, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 184, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 184, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 184, 159);  
box-shadow:4px 4px 4px 4px rgb(174, 184,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8541, 45.7829, 39.4846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 184, 159) }
```

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

```
.background{ background-color: rgb(174,  
184, 159) }
```

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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