

Converting Colors

XYZ(45.6688, 48.6339, 43.4955)

Have a look what the booklet for
XYZ(45.6688, 48.6339, 43.4955)
contains.

XYZ(45.5592, 48.4351, 43.5069)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(45.5592, 48.4351,
43.5069)**

Conversions

Conversions Part 1

Format	Color
Hex	BEB9A7
RGB	190, 185, 167
RGB Percent	75%, 73%, 65%
CMY	0.2549, 0.2745, 0.3451
CMYK	0.00, 0.03, 0.12, 0.25
HSL	47°, 15%, 70%
HSV	47°, 12%, 75%
XYZ	45.5592, 48.4351, 43.5069
YIQ	184.4430, 8.7580, -4.5380

Conversions

Conversions Part 2

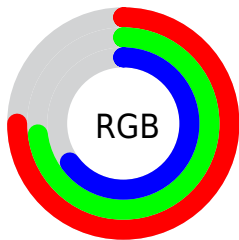
Format	Color
RYB	173, 190, 167
Decimal	12499367
CIELab	75.10, -1.36, 9.76
CIELCh	75, 9.852, 97.939
Yxy	48.4351, 0.3313, 0.3523
Android (android.graphics.Color)	4290689447 (0xFFBEB9A7)
YUV	184.4430, -8.5994, 4.8735
Hunter-Lab	69.5953, -4.9404, 11.6521

Details

The XYZ color **45.5592, 48.4351, 43.5069** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **39.9830, 41.4374, 54.6065**, and the grayscale version is **45.8488, 48.2365, 52.5296**.

A 20% lighter version of the original color is **82.6461, 87.7774, 81.6940**, and **21.6623, 23.0587, 19.5287** is the 20% darker color. If you saturate the color by 10%, you get **43.0798, 46.0834, 34.6420**, and if you desaturate by 10%, it is **48.3245, 50.9445, 53.7415**.

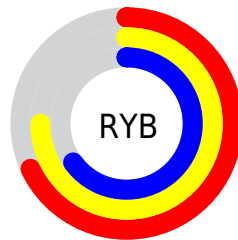
Distribution



Red (75%)

Green (73%)

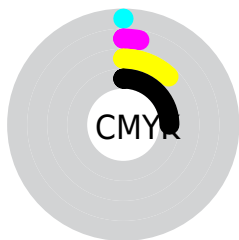
Blue (65%)



Red (68%)

Yellow (75%)

Blue (65%)

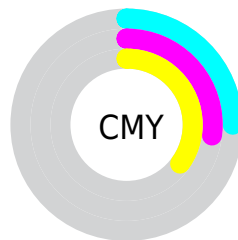


Cyan (0%)

Magenta (3%)

Yellow (12%)

Black (25%)



Cyan (25%)


Magenta (27%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5592, 48.4351, 43.5069 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 45.5592, 48.4351, 43.5069 by changing the saturation by 10% instead.


 45.5592, 48.4351,
43.5069


 45.5592, 48.4351,
43.5069


359.7794,
380.5142, 376.6745

 32.1013, 34.1716,
29.9487

 82.7908, 87.8519,
81.7698

 21.5948, 23.0254,
19.5479


 107.2952,
113.7739, 107.3115

 13.6744, 14.6123,
11.8861


136.2125,
144.3509, 137.6849

 7.9747, 8.5477,
6.5445

169.9080,
179.9673, 173.3084

 4.1305, 4.4474,
3.1048

208.7471,
221.0074, 214.6006

 1.7762, 1.9268,
1.1484

253.0951,

 0.5033, 0.5644,

267.8556, 261.9799

0.0000

303.3174,
320.8964, 315.8651

■ 0.0000, 0.0000,
0.0000

■ 45.5592, 48.4351,
43.5069

■ 45.5592, 48.4351,
43.5069

■ 43.0798, 46.0834,
34.6420

■ 48.3245, 50.9445,
53.7415

■ 40.8708, 43.8780,
27.0845

■ 51.3823, 53.6097,
65.3982

■ 38.9213, 41.8159,
20.7721

■ 54.7442, 56.4373,
78.5303

■ 37.2181, 39.8914,
15.6360

■ 58.4199, 59.4315,
93.1877

■ 35.7467, 38.0983,
11.6007

■ 61.2703, 62.1371,
103.3721

■ 34.4907, 36.4298,
8.5821

■ 62.2747, 64.1459,
103.7069

■ 33.4318, 34.8781,
6.4835

■ 63.3054, 66.2073,
104.0505

■ 32.5478, 33.4341,
5.1899

■ 64.3626, 68.3216,
104.4029

■ 31.9400, 32.3564,
4.5620

■ 65.4464, 70.4892,
104.7641

Harmonies

Analogous

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



47.3499, 48.4351, 44.0647



45.5592, 48.4351, 43.5069



43.9384, 48.4351, 45.2918

Triad

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



45.5592, 48.4351, 43.5069



43.3570, 48.4351, 59.0772



49.3227, 48.4351, 56.5535

Complementary

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



45.5592, 48.4351, 43.5069



39.9830, 41.4374, 54.6065

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.



48.1995, 48.4351, 60.9577



45.5592, 48.4351, 43.5069



44.7468, 48.4351, 62.4797

Square

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



45.5592, 48.4351, 43.5069



42.6888, 48.4351, 54.1201



46.5163, 48.4351, 63.1894



49.5540, 48.4351, 51.3789

Rectangle

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



45.5592, 48.4351, 43.5069



43.1615, 48.4351, 47.6432



46.5163, 48.4351, 63.1894



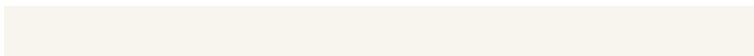
49.0356, 48.4351, 58.1827

Sweetspot

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



45.5605, 48.4372, 43.5079



86.5473, 91.4054, 93.5520



42.5361, 41.5779, 44.9987



18.9188, 19.9945, 20.2214



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



45.5605, 48.4372, 43.5079



81.0967, 86.4066, 73.5385



45.1242, 49.7913, 43.7923



10.1416, 10.7592, 10.1189



21.2975, 21.6339, 3.0533



0.8788, 0.9365, 0.1344

Inverse Universe

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



39.9830, 41.4374, 54.6065



68.6425, 70.7772, 98.3226



40.3767, 40.2553, 54.3575



9.1800, 9.5524, 12.0322



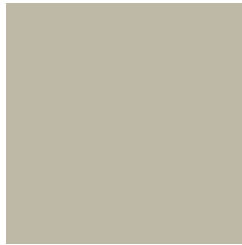
6.7620, 3.6358, 32.7383



0.3142, 0.2411, 1.2988

Previews

White Background



This preview shows how the XYZ color 45.5592, 48.4351, 43.5069 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 45.5592, 48.4351, 43.5069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

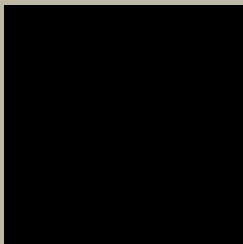
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

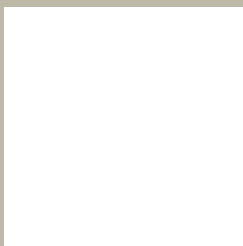
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.5592, 48.4351, 43.5069

Background



This preview shows how black text looks on a background with the XYZ color 45.5592, 48.4351, 43.5069.



This preview shows how white text looks on a background with the XYZ color 45.5592, 48.4351,

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

45.5592, 48.4351, 43.5069

Protanopia

45.8538, 48.2775, 43.4609

Deuteranopia

49.2828, 48.2233, 43.7563



Tritanopia

48.6223, 48.4572, 58.4203

Trichromacy



Original Color

45.5592, 48.4351, 43.5069

Protanomaly

45.6014, 48.1474, 43.4491

Deuteranomaly

47.9489, 48.4315, 43.8668

Tritanomaly

47.4772, 48.2961, 52.7187

Monochromacy



Original Color

45.5592, 48.4351, 43.5069

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.4261, 47.9344, 48.9775

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5592, 48.4351, 43.5069 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(190, 185, 167)` looks like.

```
.text, #text, p{  
    color:rgb(190, 185, 167)  
}
```

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(190, 185, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 185, 167) }
```

Border

The CSS property to change the border of an element to XYZ 45.5592, 48.4351, 43.5069 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(190, 185, 167) }
```


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

```
.border{ border-color:rgb(190, 185, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 185, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 185, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 185, 167);  
box-shadow:4px 4px 4px 4px rgb(190, 185,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5592, 48.4351, 43.5069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 185, 167) }
```

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

```
.background{ background-color: rgb(190,  
185, 167) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor