

Converting Colors

XYZ(45.2587, 49.0783, 39.4566)

Have a look what the booklet for
XYZ(45.2587, 49.0783, 39.4566)
contains.

XYZ(45.1771, 48.9564, 39.4162)	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(45.1771, 48.9564,
39.4162)**

Conversions

Conversions Part 1

Format	Color
Hex	BEBB9E
RGB	190, 187, 158
RGB Percent	75%, 73%, 62%
CMY	0.2549, 0.2666, 0.3804
CMYK	0.00, 0.02, 0.17, 0.25
HSL	54°, 20%, 68%
HSV	54°, 17%, 75%
XYZ	45.1771, 48.9564, 39.4162
YIQ	184.5910, 11.0970, -8.3830

Conversions

Conversions Part 2

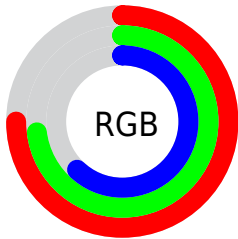
Format	Color
R_{YB}	161, 190, 158
Decimal	12499870
CIE Lab	75.42, -3.86, 15.09
CIE LCh	75, 15.575, 104.355
Yxy	48.9564, 0.3383, 0.3666
Android (android.graphics.Color)	4290689950 (0xFFBEBB9E)
YUV	184.5910, -13.1094, 4.7437
Hunter-Lab	69.9689, -7.1926, 15.5778

Details

The XYZ color **45.1771, 48.9564, 39.4162** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.1396, 36.4759, 53.8514**, and the grayscale version is **45.9542, 48.3474, 52.6503**.

A 20% lighter version of the original color is **82.0669, 88.4981, 75.7072**, and **21.3323, 23.3460, 17.2918** is the 20% darker color. If you saturate the color by 10%, you get **43.2919, 47.6038, 31.3334**, and if you desaturate by 10%, it is **47.3225, 50.4238, 48.8344**.

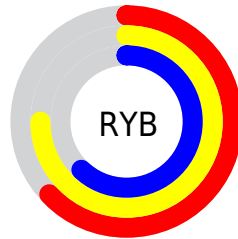
Distribution



Red (75%)

Green (73%)

Blue (62%)



Red (63%)

Yellow (75%)

Blue (62%)

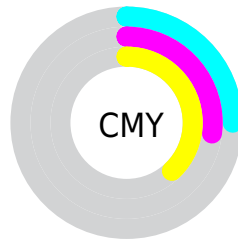


Cyan (0%)

Magenta (2%)

Yellow (17%)

Black (25%)



Cyan (25%)

Magenta (27%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.1771, 48.9564, 39.4162 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 45.1771, 48.9564, 39.4162 by changing the saturation by 10% instead.

■ 45.1771, 48.9564,
39.4162

■ 45.1771, 48.9564,
39.4162

358.2620,
382.5707, 359.1354

■ 31.7988, 34.5849,
26.7733

■ 82.2215, 88.6267,
75.5010

■ 21.3627, 23.3433,
17.1721

■ 106.6184,
114.6943, 99.7801

■ 13.5033, 14.8472,
10.1940

135.4188,
145.4293, 128.7750

■ 7.8554, 8.7122,
5.4205

168.9882,
181.2163, 162.9042

■ 4.0536, 4.5540,
2.4330

207.6918,
222.4395, 202.5863

■ 1.7325, 1.9880,
0.8043

251.8951,

■ 0.4765, 0.6005,

269.4833, 248.2399

0.0000

301.9634,
322.7323, 300.2834

■ 0.0000, 0.0000,
0.0000

■ 45.1771, 48.9564,
39.4162

■ 45.1771, 48.9564,
39.4162

■ 43.2919, 47.6038,
31.3334

■ 47.3225, 50.4238,
48.8344

■ 41.6514, 46.3549,
24.5219

■ 49.7349, 52.0039,
59.6420

■ 40.2444, 45.2069,
18.9170

■ 52.4261, 53.7031,
71.8938

■ 39.0573, 44.1542,
14.4470

■ 55.4056, 55.5251,
85.6405

■ 38.0749, 43.1907,
11.0327

■ 58.6826, 57.4737,
100.9307

■ 37.2804, 42.3098,
8.5847

■ 59.4060, 58.4085,
102.7507

■ 36.6538, 41.5033,
6.9988

■ 59.8142, 59.2249,
102.8867

■ 36.1684, 40.7606,
6.1336

■ 60.2272, 60.0508,
103.0244

■ 36.0282, 40.5328,
5.9247

■ 60.6449, 60.8863,
103.1636

Harmonies

Analogous

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



48.0354, 48.9564, 39.4916



45.1771, 48.9564, 39.4162



42.7801, 48.9564, 42.7866

Triad

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



45.1771, 48.9564, 39.4162



42.6971, 48.9564, 65.1321



52.0491, 48.9564, 57.6809

Complementary

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



45.1771, 48.9564, 39.4162



36.1396, 36.4759, 53.8514

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.



50.4962, 48.9564, 65.4202



45.1771, 48.9564, 39.4162



45.0595, 48.9564, 70.0142

Square

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



45.1771, 48.9564, 39.4162



41.3887, 48.9564, 57.3194



47.9129, 48.9564, 70.1247



52.0838, 48.9564, 49.4830

Rectangle

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



45.1771, 48.9564, 39.4162



41.7330, 48.9564, 46.7549



47.9129, 48.9564, 70.1247



51.6846, 48.9564, 60.4404

Sweetspot

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



45.1784, 48.9586, 39.4172



86.4884, 91.8634, 91.7570



39.9133, 37.9818, 39.0390



18.9265, 20.1288, 19.8573



92.9021, 97.7402, 106.4391



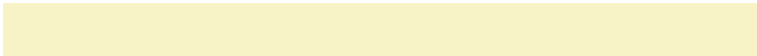
19.4759, 20.4902, 22.3138

Same Dimension

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



45.1784, 48.9586, 39.4172



80.6269, 87.8422, 66.0593



42.7626, 48.6666, 39.4882



10.2438, 10.9636, 10.1529



23.9874, 27.0136, 3.9499



0.9621, 1.1031, 0.1622

Inverse Universe

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



36.1396, 36.4759, 53.8514



61.3405, 61.2081, 96.8605



38.2728, 36.8076, 53.8030



9.0864, 9.3652, 12.0010



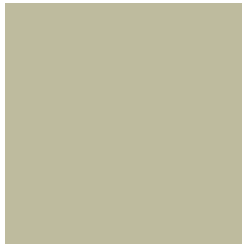
6.3482, 2.8082, 32.6003



0.2732, 0.1590, 1.2852

Previews

White Background



This preview shows how the XYZ color 45.1771, 48.9564, 39.4162 looks on a white background.

Color Contrast Check

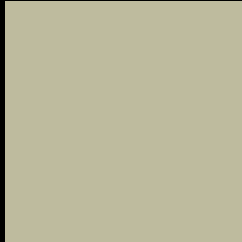
Large Text (above 18pt) WCAG AA × Fail

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 45.1771, 48.9564, 39.4162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

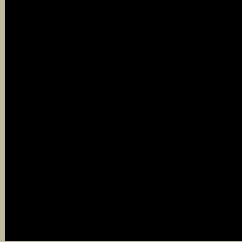
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

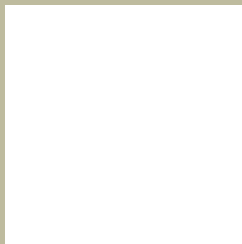
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.1771, 48.9564, 39.4162

Background



This preview shows how black text looks on a background with the XYZ color 45.1771, 48.9564, 39.4162.



This preview shows how white text looks on a background with the XYZ color 45.1771, 48.9564,

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

45.1771, 48.9564, 39.4162

Protanopia

46.1997, 48.8680, 38.8958

Deuteranopia

49.9058, 48.9244, 40.0707



Tritanopia

49.1974, 49.0435, 59.0979

Trichromacy



Original Color

45.1771, 48.9564, 39.4162

Protanomaly

45.8928, 49.0215, 38.9416

Deuteranomaly

48.1628, 48.9382, 39.7085

Tritanomaly

47.5763, 48.9958, 51.2056

Monochromacy



Original Color

45.1771, 48.9564, 39.4162

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.7903, 48.7778, 47.5591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1771, 48.9564, 39.4162 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, 187, 158)` looks like.

```
.text, #text, p{  
    color:rgb(190, 187, 158)  
}
```

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, 187, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 187, 158) }
```

Border

The CSS property to change the border of an element to XYZ 45.1771, 48.9564, 39.4162 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, 187, 158) }
```


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

```
.border{ border-color:rgb(190, 187, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 187, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 187, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 187, 158);  
box-shadow:4px 4px 4px 4px rgb(190, 187,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1771, 48.9564, 39.4162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 187, 158) }
```

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

```
.background{ background-color: rgb(190,  
187, 158) }
```

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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