

Converting Colors

XYZ(45.4657, 49.8049, 40.9963)

Have a look what the booklet for
XYZ(45.4657, 49.8049, 40.9963)
contains.

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Color

**XYZ(45.3697, 49.6598,
40.9123)**

Conversions

Conversions Part 1

Format	Color
Hex	BCBDA1
RGB	188, 189, 161
RGB Percent	74%, 74%, 63%
CMY	0.2627, 0.2588, 0.3686
CMYK	0.01, 0.00, 0.15, 0.26
HSL	62°, 18%, 69%
HSV	62°, 15%, 74%
XYZ	45.3697, 49.6598, 40.9123
YIQ	185.5090, 8.3920, -8.9200

Conversions

Conversions Part 2

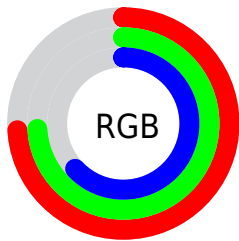
Format	Color
RYB	161, 189, 162
Decimal	12369313
CIELab	75.86, -5.19, 14.06
CIELCh	76, 14.985, 110.248
Yxy	49.6598, 0.3337, 0.3653
Android (android.graphics.Color)	4290559393 (0xFFBCBDA1)
YUV	185.5090, -12.0829, 2.1846
Hunter-Lab	70.4697, -8.4004, 14.9071

Details

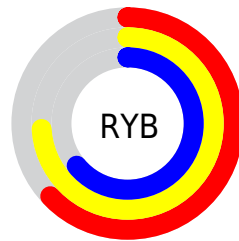
The XYZ color **45.3697, 49.6598, 40.9123** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.8324, 36.8466, 53.3177**, and the grayscale version is **46.4608, 48.8804, 53.2308**.

A 20% lighter version of the original color is **82.3553, 89.4958, 77.8996**, and **21.5561, 23.8633, 17.9380** is the 20% darker color. If you saturate the color by 10%, you get **43.6614, 48.9589, 32.7798**, and if you desaturate by 10%, it is **47.3334, 50.4663, 50.3740**.

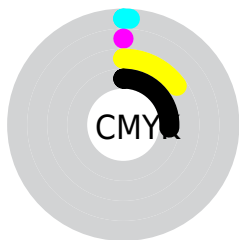
Distribution



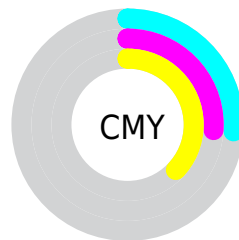
- Red (74%)
- Green (74%)
- Blue (63%)



- Red (63%)
- Yellow (74%)
- Blue (64%)



- Cyan (1%)
- Magenta (0%)
- Yellow (15%)
- Black (26%)



- Cyan (26%)
- Magenta (26%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3697, 49.6598, 40.9123 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 45.3697, 49.6598, 40.9123 by changing the saturation by 10% instead.

■ 45.3697, 49.6598,
40.9123

■ 45.3697, 49.6598,
40.9123

359.0274,
385.3341, 365.6197

■ 31.9512, 35.1432,
27.9314

■ 82.5086, 89.6706,
77.8030

■ 21.4796, 23.7732,
18.0353

■ 106.9597,
115.9336, 102.5498

■ 13.5895, 15.1654,
10.8057

135.8191,
146.8808, 132.0557

■ 7.9155, 8.9356,
5.8238

169.4521,
182.8966, 166.7391

■ 4.0923, 4.6992,
2.6712

208.2240,
224.3655, 207.0187

■ 1.7545, 2.0719,
0.9289

252.5003,

■ 0.4900, 0.6487,

271.6717, 253.3130

0.0000

302.6463,
325.1998, 306.0405

■ 0.0000, 0.0000,
0.0000

■ 45.3697, 49.6598,
40.9123

■ 45.3697, 49.6598,
40.9123

■ 43.6614, 48.9589,
32.7798

■ 47.3334, 50.4663,
50.3740

■ 42.1933, 48.3525,
25.9140

■ 49.5592, 51.3760,
61.2172

■ 40.9545, 47.8379,
20.2519


■ 52.0583, 52.3952,
73.4956

■ 39.9319, 47.4099,
15.7242


■ 54.8401, 53.5275,
87.2588


■ 39.1111, 47.0627,
12.2544


■ 57.8324, 54.7441,
102.1263

 38.4755, 46.7897,
9.7565


 58.0037, 54.8324,
102.1343

 38.0064, 46.5834,
8.1313

 58.1758, 54.9211,
102.1424

 37.6809, 46.4346,
7.2581

 58.3486, 55.0102,
102.1505

 37.5441, 46.3702,
6.9716

 58.5223, 55.0997,
102.1586

Harmonies

Analogous

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



48.1137, 49.6598, 40.3119



45.3697, 49.6598, 40.9123



43.1988, 49.6598, 44.8386

Triad

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



45.3697, 49.6598, 40.9123



43.8556, 49.6598, 66.7497



52.6811, 49.6598, 56.7126

Complementary

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



45.3697, 49.6598, 40.9123



36.8324, 36.8466, 53.3177

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.



51.4412, 49.6598, 64.4911



45.3697, 49.6598, 40.9123



46.2982, 49.6598, 70.6511

Square

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



45.3697, 49.6598, 40.9123



42.3488, 49.6598, 59.5584



49.0792, 49.6598, 69.7862



52.4085, 49.6598, 48.9316

Rectangle

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



45.3697, 49.6598, 40.9123



42.3340, 49.6598, 49.0485



49.0792, 49.6598, 69.7862



52.4256, 49.6598, 59.4254

Sweetspot

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



45.3710, 49.6620, 40.9134



85.0527, 90.4960, 91.5880



40.3295, 39.2105, 39.1617



18.2291, 19.4358, 19.3992



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



45.3710, 49.6620, 40.9134



80.1417, 88.4824, 67.9505



42.1029, 47.9772, 40.7604



10.2875, 11.1026, 10.1774



25.2738, 31.2050, 4.6911



1.0006, 1.2278, 0.1843

Inverse Universe

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



36.8324, 36.8466, 53.3177



61.7187, 60.8313, 94.7149



39.8211, 38.3873, 53.4575



9.0473, 9.2412, 11.9791



6.2511, 2.5086, 32.5476



0.2558, 0.1039, 1.2754

Previews

White Background



This preview shows how the XYZ color 45.3697, 49.6598, 40.9123 looks on a white background.

Color Contrast Check

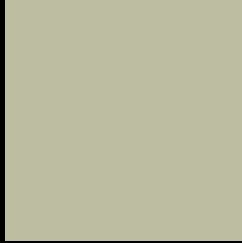
Large Text (above 18pt) WCAG AA × Fail

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 45.3697, 49.6598, 40.9123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

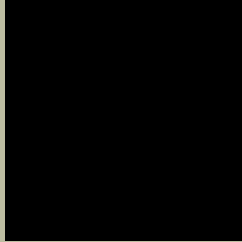
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

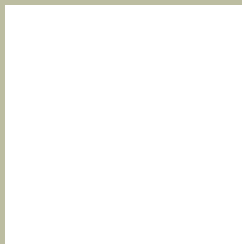
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.3697, 49.6598, 40.9123

Background



This preview shows how black text looks on a background with the XYZ color 45.3697, 49.6598, 40.9123.



This preview shows how white text looks on a background with the XYZ color 45.3697, 49.6598,

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

45.3697, 49.6598, 40.9123

Protanopia

46.6690, 49.3916, 40.3315

Deuteranopia

50.6637, 49.5830, 41.5505



Tritanopia

49.3259, 49.6957, 60.4185

Trichromacy



Original Color

45.3697, 49.6598, 40.9123

Protanomaly

46.1078, 49.4162, 40.3658

Deuteranomaly

48.6319, 49.4547, 41.1650

Tritanomaly

47.8017, 49.6970, 52.9720

Monochromacy



Original Color

45.3697, 49.6598, 40.9123

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.1997, 49.2798, 48.6719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3697, 49.6598, 40.9123 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(188, 189, 161)` looks like.

```
.text, #text, p{  
    color:rgb(188, 189, 161)  
}
```

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(188, 189, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 189, 161) }
```

Border

The CSS property to change the border of an element to XYZ 45.3697, 49.6598, 40.9123 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(188, 189, 161) }
```


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

```
.border{ border-color:rgb(188, 189, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 189, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 189, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 189, 161);  
box-shadow:4px 4px 4px 4px rgb(188, 189,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3697, 49.6598, 40.9123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 189, 161) }
```

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

```
.background{ background-color: rgb(188,  
189, 161) }
```

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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