

Converting Colors

XYZ(45.1591, 49.5286, 40.1814)

Have a look what the booklet for
XYZ(45.1591, 49.5286, 40.1814)
contains.

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Color

**XYZ(45.1946, 49.5898,
39.9907)**

Conversions

Conversions Part 1

Format	Color
Hex	BCBD9F
RGB	188, 189, 159
RGB Percent	74%, 74%, 62%
CMY	0.2627, 0.2588, 0.3765
CMYK	0.01, 0.00, 0.16, 0.26
HSL	62°, 19%, 68%
HSV	62°, 16%, 74%
XYZ	45.1946, 49.5898, 39.9907
YIQ	185.2810, 9.0340, -9.5420

Conversions

Conversions Part 2

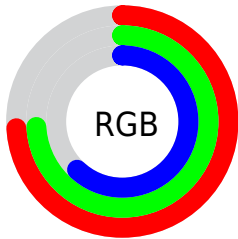
Format	Color
RYB	159, 189, 160
Decimal	12369311
CIELab	75.82, -5.50, 15.08
CIELCh	76, 16.049, 110.053
Yxy	49.5898, 0.3353, 0.3679
Android (android.graphics.Color)	4290559391 (0xFFBCBD9F)
YUV	185.2810, -12.9565, 2.3846
Hunter-Lab	70.4200, -8.6762, 15.6239

Details

The XYZ color **45.1946, 49.5898, 39.9907** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.0827, 35.9454, 53.1833**, and the grayscale version is **46.3380, 48.7512, 53.0901**.

A 20% lighter version of the original color is **82.0982, 89.3930, 76.5459**, and **21.5026, 23.8419, 17.6560** is the 20% darker color. If you saturate the color by 10%, you get **43.5233, 48.9050, 31.9957**, and if you desaturate by 10%, it is **47.1201, 50.3797, 49.3087**.

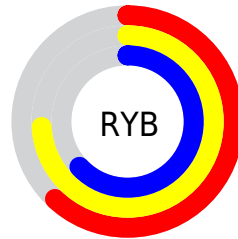
Distribution



Red (74%)

Green (74%)

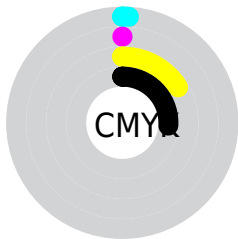
Blue (62%)



Red (62%)

Yellow (74%)

Blue (63%)

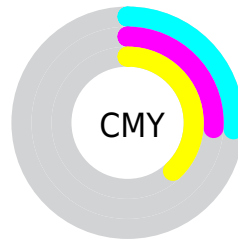


Cyan (1%)

Magenta (0%)

Yellow (16%)

Black (26%)



Cyan (26%)


Magenta (26%)


Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.1946, 49.5898, 39.9907 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 45.1946, 49.5898, 39.9907 by changing the saturation by 10% instead.


 45.1946, 49.5898,
39.9907

 45.1946, 49.5898,
39.9907


358.3316,
385.0596, 361.6353

 31.8127, 35.0876,
27.2176


 82.2476, 89.5668,
76.3863

 21.3733, 23.7303,
17.5028


 106.6494,
115.8104, 100.8458

 13.5112, 15.1337,
10.4279


135.4552,
146.7365, 130.0379

 7.8609, 8.9133,
5.5743

169.0304,
182.7296, 164.3810

 4.0571, 4.6847,
2.5234

207.7402,
224.1741, 204.2938

 1.7345, 2.0635,
0.8525

251.9501,

 0.4777, 0.6440,

271.4543, 250.1948

0.0000

302.0255,
324.9547, 302.5024

■ 0.0000, 0.0000,
0.0000

■ 45.1946, 49.5898,
39.9907

■ 45.1946, 49.5898,
39.9907

■ 43.5233, 48.9050,
31.9957

■ 47.1201, 50.3797,
49.3087

■ 42.0908, 48.3141,
25.2609

■ 49.3064, 51.2724,
60.0027

■ 40.8863, 47.8144,
19.7227


■ 51.7649, 52.2740,
72.1263

■ 39.8963, 47.4007,
15.3112


■ 54.5051, 53.3884,
85.7296


■ 39.1064, 47.0671,
11.9490


■ 57.5360, 54.6191,
100.8602


 38.4998, 46.8069,
9.5490


 57.9357, 54.7974,
102.1312

 38.0573, 46.6124,
8.0100

 58.0961, 54.8801,
102.1387

 37.7549, 46.4740,
7.2044

 58.2571, 54.9631,
102.1462

 37.6501, 46.4249,
6.9765

 58.4189, 55.0465,
102.1538

Harmonies

Analogous

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



48.1310, 49.5898, 39.3809



45.1946, 49.5898, 39.9907



42.8728, 49.5898, 44.1220

Triad

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



45.1946, 49.5898, 39.9907



43.5469, 49.5898, 67.5888



53.0102, 49.5898, 56.8815

Complementary

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



45.1946, 49.5898, 39.9907



36.0827, 35.9454, 53.1833

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.



51.6678, 49.5898, 65.2405



45.1946, 49.5898, 39.9907



46.1501, 49.5898, 71.8394

Square

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



45.1946, 49.5898, 39.9907



41.9497, 49.5898, 59.8240



49.1273, 49.5898, 70.9374



52.7280, 49.5898, 48.5572

Rectangle

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



45.1946, 49.5898, 39.9907



41.9463, 49.5898, 48.5840



49.1273, 49.5898, 70.9374



52.7319, 49.5898, 59.7932

Sweetspot

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



45.1959, 49.5920, 39.9918



84.6809, 90.3449, 89.7368



39.8168, 38.4649, 38.1275



18.1544, 19.4054, 19.0253



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.



45.1959, 49.5920, 39.9918



79.8641, 88.3723, 66.4487



41.6911, 47.7852, 39.8277



10.2898, 11.1038, 10.1776



25.3442, 31.2413, 4.6944



1.0027, 1.2289, 0.1843

Inverse Universe

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



36.0827, 35.9454, 53.1833



60.4890, 59.3584, 94.4954



39.2642, 37.5855, 53.3322



9.0453, 9.2402, 11.9790



6.2464, 2.5062, 32.5474



0.2549, 0.1034, 1.2754

Previews

White Background



This preview shows how the XYZ color 45.1946, 49.5898, 39.9907 looks on a white background.

Color Contrast Check

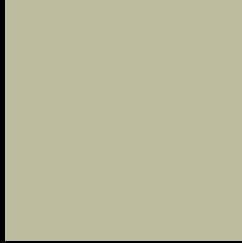
Large Text (above 18pt) WCAG AA × Fail

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 45.1946, 49.5898, 39.9907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

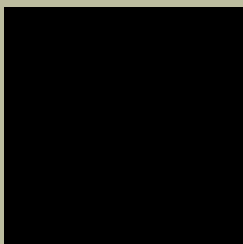
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

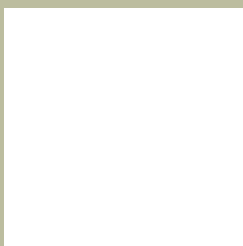
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.1946, 49.5898, 39.9907

Background



This preview shows how black text looks on a background with the XYZ color 45.1946, 49.5898, 39.9907.



This preview shows how white text looks on a background with the XYZ color 45.1946, 49.5898,

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

45.1946, 49.5898, 39.9907

Protanopia

46.7564, 49.4568, 39.4295

Deuteranopia

50.4858, 49.5119, 40.6141



Tritanopia

49.3259, 49.6957, 60.4185

Trichromacy



Original Color

45.1946, 49.5898, 39.9907

Protanomaly

46.1900, 49.4786, 39.4636

Deuteranomaly

48.4555, 49.3842, 40.2359

Tritanomaly

47.6965, 49.6549, 52.4179

Monochromacy



Original Color

45.1946, 49.5898, 39.9907

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.6451, 48.6915, 48.0669

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1946, 49.5898, 39.9907 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(188, 189, 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(188, 189, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 189, 159) }
```

Border

The CSS property to change the border of an element to XYZ 45.1946, 49.5898, 39.9907 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, 159) }
```


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

```
.border{ border-color:rgb(188, 189, 159) }
```

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, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 189, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 189, 159);  
box-shadow:4px 4px 4px 4px rgb(188, 189,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1946, 49.5898, 39.9907 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, 159) }
```

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

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