

Converting Colors

XYZ(49.3969, 52.7159, 39.2815)

Have a look what the booklet for
XYZ(49.3969, 52.7159, 39.2815)
contains.

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Color

**XYZ(49.5640, 52.8301,
39.4832)**

Conversions

Conversions Part 1

Format	Color
Hex	CBC09D
RGB	203, 192, 157
RGB Percent	80%, 75%, 62%
CMY	0.2039, 0.2470, 0.3843
CMYK	0.00, 0.05, 0.23, 0.20
HSL	46°, 31%, 71%
HSV	46°, 23%, 80%
XYZ	49.5640, 52.8301, 39.4832
YIQ	191.2990, 17.7910, -8.5530

Conversions

Conversions Part 2

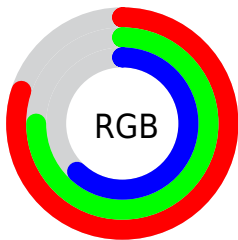
Format	Color
RYB	171, 203, 157
Decimal	13353117
CIELab	77.77, -1.75, 19.06
CIElCh	78, 19.140, 95.246
Yxy	52.8301, 0.3493, 0.3724
Android (android.graphics.Color)	4291543197 (0xFFCBC09D)
YUV	191.2990, -16.9094, 10.2618
Hunter-Lab	72.6843, -5.4770, 18.6718

Details

The XYZ color **49.5640, 52.8301, 39.4832** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.6865, 39.4841, 62.0823**, and the grayscale version is **49.7838, 52.3764, 57.0379**.

A 20% lighter version of the original color is **86.6911, 93.1483, 75.6977**, and **24.0469, 25.8017, 17.3485** is the 20% darker color. If you saturate the color by 10%, you get **46.9254, 50.0997, 30.7518**, and if you desaturate by 10%, it is **52.5285, 55.7507, 49.7452**.

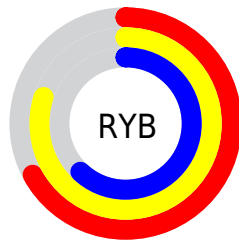
Distribution



Red (80%)

Green (75%)

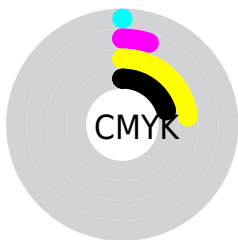
Blue (62%)



Red (67%)

Yellow (80%)

Blue (62%)

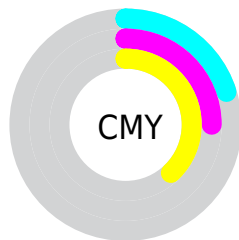


Cyan (0%)

Magenta (5%)

Yellow (23%)

Black (20%)



Cyan (20%)


Magenta (25%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5640, 52.8301, 39.4832 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 49.5640, 52.8301, 39.4832 by changing the saturation by 10% instead.


 49.5640, 52.8301,
39.4832


 49.5640, 52.8301,
39.4832


375.4387,
397.6329, 359.4276

 35.2835, 37.6672,
26.8251


 88.7242, 94.3543,
75.6044

 24.0489, 25.7245,
17.2106


 114.3347,
121.4844, 99.9045

 15.4948, 16.6176,
10.2212


144.4524,
153.3723, 128.9224

 9.2559, 9.9622,
5.4384

179.4429,
190.4024, 163.0767

 4.9669, 5.3739,
2.4435

219.6713,
232.9591, 202.7858

 2.2624, 2.4683,
0.8100

265.5033,

 0.7753, 0.8607,

281.4268, 248.4683

0.0000

317.3039,
336.1900, 300.5427

■ 0.0000, 0.0000,
0.0000

■ 49.5640, 52.8301,
39.4832

■ 49.5640, 52.8301,
39.4832

■ 46.9254, 50.0997,
30.7518

■ 52.5285, 55.7507,
49.7452

■ 44.5940, 47.5460,
23.4727

■ 55.8283, 58.8604,
61.6042

■ 42.5555, 45.1646,
17.5656

■ 59.4776, 62.1671,
75.1269

■ 40.7925, 42.9480,
12.9411

■ 63.4883, 65.6762,
90.3750

■ 39.2857, 40.8879,
9.4993

■ 67.3029, 69.1651,
104.4107

■ 38.0129, 38.9749,
7.1252

■ 68.5666, 71.6924,
104.8319

■ 36.9477, 37.1978,
5.6808

■ 69.8673, 74.2937,
105.2655

■ 36.2632, 35.9655,
5.0308

■ 71.2053, 76.9698,
105.7115

■ 72.5809, 79.7211,
106.1700

Harmonies

Analogous

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



53.2599, 52.8301, 40.8937



49.5640, 52.8301, 39.4832



46.2083, 52.8301, 42.3998

Triad

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



49.5640, 52.8301, 39.4832



44.6101, 52.8301, 70.1364



56.9739, 52.8301, 66.5082

Complementary

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



49.5640, 52.8301, 39.4832



38.6865, 39.4841, 62.0823

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.



54.4436, 52.8301, 75.8724



49.5640, 52.8301, 39.4832



47.2854, 52.8301, 78.1412

Square

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



49.5640, 52.8301, 39.4832



43.4396, 52.8301, 59.4113



50.8685, 52.8301, 80.3594



57.6571, 52.8301, 55.6752

Rectangle

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



49.5640, 52.8301, 39.4832



44.5776, 52.8301, 46.6454



50.8685, 52.8301, 80.3594



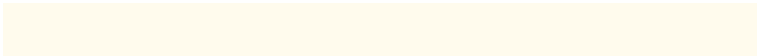
56.3052, 52.8301, 69.9724

Sweetspot

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



49.5654, 52.8325, 39.4843



90.9619, 96.2110, 94.0121



43.8006, 39.6569, 42.6371



19.3971, 20.5248, 19.8616



0.0000, 0.0000, 0.0000



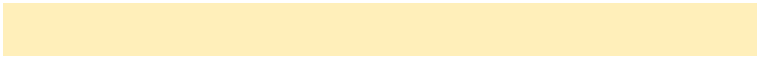
20.3446, 21.4041, 23.3091

Same Dimension

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



49.5654, 52.8325, 39.4843



80.8517, 86.2772, 58.9298



49.0539, 56.2877, 40.1782



11.9178, 12.6245, 11.8881



23.1511, 23.0352, 3.2260



1.2506, 1.3008, 0.1852

Inverse Universe

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



38.6865, 39.4841, 62.0823



59.5995, 60.2045, 103.0871



39.0921, 36.8062, 61.5440



10.8159, 11.2722, 14.1761



7.6060, 4.2360, 36.3730



0.4531, 0.3400, 1.8967

Previews

White Background



This preview shows how the XYZ color 49.5640, 52.8301, 39.4832 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 49.5640, 52.8301, 39.4832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

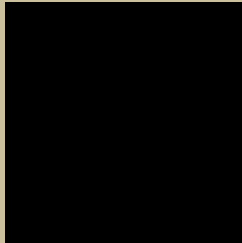
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.5640, 52.8301, 39.4832

Background



This preview shows how black text looks on a background with the XYZ color 49.5640, 52.8301, 39.4832.



This preview shows how white text looks on a background with the XYZ color 49.5640, 52.8301,

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

49.5640, 52.8301, 39.4832

Protanopia

49.8373, 52.9710, 39.4960

Deuteranopia

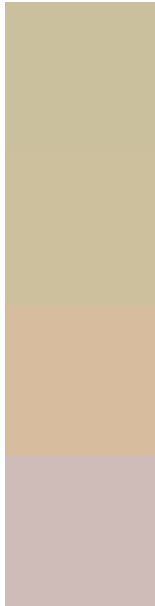
53.9519, 52.8545, 39.7061



Tritanopia

54.3960, 52.8902, 62.6002

Trichromacy



Original Color

49.5640, 52.8301, 39.4832

Protanomaly

49.8373, 52.9710, 39.4960

Deuteranomaly

52.4737, 53.0340, 39.8187

Tritanomaly

52.4723, 52.7346, 53.3122

Monochromacy



Original Color

49.5640, 52.8301, 39.4832

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.2732, 52.1184, 50.1107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5640, 52.8301, 39.4832 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(203, 192, 157)` looks like.

```
.text, #text, p{  
    color:rgb(203, 192, 157)  
}
```

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(203, 192, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 192, 157) }
```

Border

The CSS property to change the border of an element to XYZ 49.5640, 52.8301, 39.4832 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(203, 192, 157) }
```


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

```
.border{ border-color:rgb(203, 192, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 192, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 192, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 192, 157);  
box-shadow:4px 4px 4px 4px rgb(203, 192,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5640, 52.8301, 39.4832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 192, 157) }
```

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

```
.background{ background-color: rgb(203,  
192, 157) }
```

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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