

Converting Colors

XYZ(49.7789, 54.7712, 40.3882)

Have a look what the booklet for
XYZ(49.7789, 54.7712, 40.3882)
contains.

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Color

**XYZ(49.9188, 54.9989,
40.3326)**

Conversions

Conversions Part 1

Format	Color
Hex	C7C69E
RGB	199, 198, 158
RGB Percent	78%, 78%, 62%
CMY	0.2196, 0.2235, 0.3804
CMYK	0.00, 0.01, 0.21, 0.22
HSL	59°, 27%, 70%
HSV	59°, 21%, 78%
XYZ	49.9188, 54.9989, 40.3326
YIQ	193.7390, 13.4360, -12.2280

Conversions

Conversions Part 2

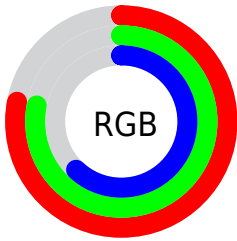
Format	Color
R_{YB}	159, 199, 158
Decimal	13092510
CIE Lab	79.04, -6.25, 20.23
CIE LCh	79, 21.171, 107.168
Yxy	54.9989, 0.3437, 0.3786
Android (android.graphics.Color)	4291282590 (0xFFC7C69E)
YUV	193.7390, -17.6193, 4.6139
Hunter-Lab	74.1612, -9.6317, 19.6680

Details

The XYZ color **49.9188, 54.9989, 40.3326** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.8074, 36.1880, 59.0781**, and the grayscale version is **51.2203, 53.8878, 58.6838**.

A 20% lighter version of the original color is **89.0102, 97.5841, 77.0951**, and **24.2518, 27.0069, 17.5703** is the 20% darker color. If you saturate the color by 10%, you get **48.2331, 54.1501, 31.9932**, and if you desaturate by 10%, it is **51.8852, 55.9643, 50.1353**.

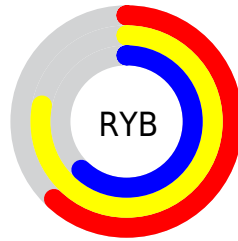
Distribution



Red (78%)

Green (78%)

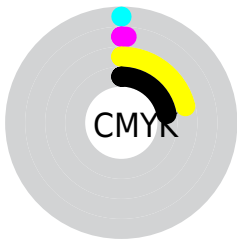
Blue (62%)



Red (62%)

Yellow (78%)

Blue (62%)

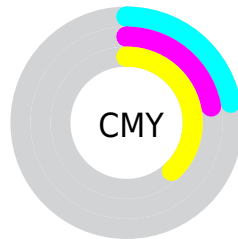


Cyan (0%)

Magenta (1%)

Yellow (21%)

Black (22%)



Cyan (22%)


Magenta (22%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9188, 54.9989, 40.3326 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 49.9188, 54.9989, 40.3326 by changing the saturation by 10% instead.


 49.9188, 54.9989,
40.3326


 49.9188, 54.9989,
40.3326


376.8056,
405.9078, 363.1171

 35.5664, 39.4008,
27.4822


 89.2471, 97.5393,
76.9123

 24.2681, 27.0717,
17.7001


 114.9537,
125.2505, 101.4788

 15.6584, 17.6271,
10.5677


145.1758,
157.7682, 130.7876

 9.3721, 10.6826,
5.6664

180.2787,
195.4767, 165.2574

 5.0437, 5.8538,
2.5778

220.6278,
238.7606, 205.3067

 2.3079, 2.7564,
0.8810

266.5884,

 0.7987, 1.0059,

288.0041, 251.3541

0.0000

318.5258,
343.5917, 303.8181

■ 0.0000, 0.0000,
0.0000

■ 49.9188, 54.9989,
40.3326

■ 49.9188, 54.9989,
40.3326

■ 48.2331, 54.1501,
31.9932

■ 51.8852, 55.9643,
50.1353

■ 46.8104, 53.4052,
25.0435

■ 54.1403, 57.0439,
61.4634

■ 45.6377, 52.7608,
19.4086

■ 56.6973, 58.2448,
74.3794

■ 44.6992, 52.2107,
15.0052

■ 59.5672, 59.5714,
88.9415

■ 43.9773, 51.7478,
11.7407

■ 62.3551, 60.8658,
103.0695

■ 43.4519, 51.3640,
9.5091

■ 62.4675, 61.0905,
103.1070

■ 43.0992, 51.0499,
8.1849

■ 62.5802, 61.3160,
103.1446

■ 42.8828, 50.8012,
7.5455

■ 62.6933, 61.5421,
103.1823

■ 62.8067, 61.7690,
103.2201

Harmonies

Analogous

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



54.0955, 54.9989, 39.9843



49.9188, 54.9989, 40.3326



46.5537, 54.9989, 45.4500

Triad

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



49.9188, 54.9989, 40.3326



46.9562, 54.9989, 78.5700



60.5819, 54.9989, 65.1887

Complementary

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



49.9188, 54.9989, 40.3326



36.8074, 36.1880, 59.0781

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.



58.4465, 54.9989, 77.0910



49.9188, 54.9989, 40.3326



50.4954, 54.9989, 85.4864

Square

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



49.9188, 54.9989, 40.3326



44.9074, 54.9989, 67.0005



54.7038, 54.9989, 84.9114



60.4069, 54.9989, 53.2910

Rectangle

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



49.9188, 54.9989, 40.3326



45.1553, 54.9989, 51.3220



54.7038, 54.9989, 84.9114



60.1058, 54.9989, 69.3500

Sweetspot

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



49.9202, 55.0013, 40.3338



92.5653, 98.8167, 96.3994



42.0705, 39.1125, 38.3008



19.7574, 21.1243, 20.3553



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.



49.9202, 55.0013, 40.3338



85.9398, 95.5692, 63.3518



45.3868, 53.0031, 40.1870



11.5010, 12.3711, 11.3445



27.5844, 32.6860, 4.8552



1.3133, 1.5620, 0.2323

Inverse Universe

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



36.8074, 36.1880, 59.0781



58.6240, 56.3793, 102.4002



40.6981, 37.9407, 59.2113



10.0770, 10.3280, 13.3799



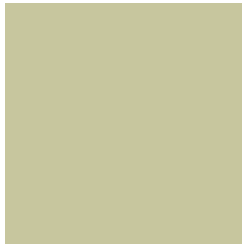
6.6718, 2.7375, 34.9211



0.3233, 0.1444, 1.6560

Previews

White Background



This preview shows how the XYZ color 49.9188, 54.9989, 40.3326 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 49.9188, 54.9989, 40.3326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

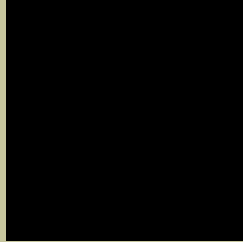
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9188, 54.9989, 40.3326

Background



This preview shows how black text looks on a background with the XYZ color 49.9188, 54.9989, 40.3326.



This preview shows how white text looks on a background with the XYZ color 49.9188, 54.9989,

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

49.9188, 54.9989, 40.3326

Protanopia

51.6133, 54.8744, 39.7698

Deuteranopia

56.0069, 54.8354, 40.8901



Tritanopia

54.9482, 54.6970, 66.0540

Trichromacy



Original Color

49.9188, 54.9989, 40.3326

Protanomaly

51.0026, 54.8933, 39.8056

Deuteranomaly

53.7229, 54.9542, 40.5766

Tritanomaly

53.1057, 54.9542, 55.9524

Monochromacy



Original Color

49.9188, 54.9989, 40.3326

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.6205, 54.1022, 51.4908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9188, 54.9989, 40.3326 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(199, 198, 158)` looks like.

```
.text, #text, p{  
    color:rgb(199, 198, 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(199, 198, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 198, 158) }
```

Border

The CSS property to change the border of an element to XYZ 49.9188, 54.9989, 40.3326 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(199, 198, 158) }
```


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

```
.border{ border-color:rgb(199, 198, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 198, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 198, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 198, 158);  
box-shadow:4px 4px 4px 4px rgb(199, 198,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9188, 54.9989, 40.3326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 198, 158) }
```

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

```
.background{ background-color: rgb(199,  
198, 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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