

Converting Colors

XYZ(49.6971, 55.0703, 40.0332)

Have a look what the booklet for
XYZ(49.6971, 55.0703, 40.0332)
contains.

XYZ(49.7979, 55.2869, 39.9451)	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(49.7979, 55.2869,
39.9451)**

Conversions

Conversions Part 1

Format	Color
Hex	C6C79D
RGB	198, 199, 157
RGB Percent	78%, 78%, 62%
CMY	0.2235, 0.2196, 0.3843
CMYK	0.01, 0.00, 0.21, 0.22
HSL	61°, 27%, 70%
HSV	61°, 21%, 78%
XYZ	49.7979, 55.2869, 39.9451
YIQ	193.9130, 12.8860, -13.2740

Conversions

Conversions Part 2

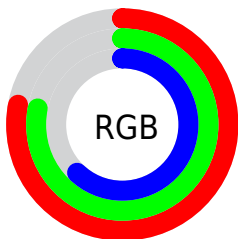
Format	Color
RYB	157, 199, 158
Decimal	13027229
CIELab	79.21, -7.29, 20.97
CIELCh	79, 22.205, 109.163
Yxy	55.2869, 0.3434, 0.3812
Android (android.graphics.Color)	4291217309 (0xFFC6C79D)
YUV	193.9130, -18.1981, 3.5843
Hunter-Lab	74.3552, -10.5747, 20.1968

Details

The XYZ color **49.7979, 55.2869, 39.9451** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.4684, 35.5080, 58.9675**, and the grayscale version is **51.3268, 53.9998, 58.8058**.

A 20% lighter version of the original color is **88.8837, 97.5335, 76.4285**, and **24.1768, 27.2000, 17.3405** is the 20% darker color. If you saturate the color by 10%, you get **48.1107, 54.5994, 31.7080**, and if you desaturate by 10%, it is **51.7651, 56.0902, 49.6421**.

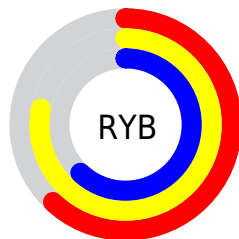
Distribution



Red (78%)

Green (78%)

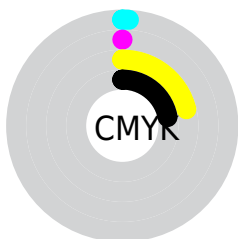
Blue (62%)



Red (62%)

Yellow (78%)

Blue (62%)

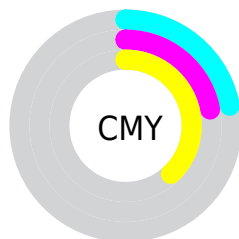


Cyan (1%)

Magenta (0%)

Yellow (21%)

Black (22%)



Cyan (22%)


Magenta (22%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7979, 55.2869, 39.9451 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 49.7979, 55.2869, 39.9451 by changing the saturation by 10% instead.


 49.7979, 55.2869,
39.9451

 49.7979, 55.2869,
39.9451


376.3401,
406.9985, 361.4373

 35.4700, 39.6315,
27.1823


 89.0690, 97.9612,
76.3161

 24.1933, 27.2513,
17.4765


 114.7429,
125.7488, 100.7613

 15.6026, 17.7621,
10.4093


144.9294,
158.3493, 129.9378

 9.3325, 10.7793,
5.5620

179.9940,
196.1471, 164.2640

 5.0175, 5.9186,
2.5162

220.3021,
239.5265, 204.1585

 2.2924, 2.7957,
0.8487

266.2189,

 0.7908, 1.0260,

288.8719, 250.0399

0.0000

318.1098,
344.5678, 302.3267

■ 0.0000, 0.0000,
0.0000

■ 49.7979, 55.2869,
39.9451

■ 49.7979, 55.2869,
39.9451

■ 48.1107, 54.5994,
31.7080

■ 51.7651, 56.0902,
49.6421

■ 46.6859, 54.0151,
24.8569

■ 54.0206, 57.0069,
60.8611

■ 45.5105, 53.5305,
19.3166

■ 56.5774, 58.0443,
73.6652

■ 44.5684, 53.1394,
15.0033

■ 59.4466, 59.2066,
88.1124

■ 43.8420, 52.8345,
11.8239

■ 62.3957, 60.4009,
102.9777

■ 43.3111, 52.6079,
9.6716

■ 62.5233, 60.4667,
102.9837

■ 42.9515, 52.4499,
8.4195

■ 62.6514, 60.5327,
102.9896

■ 42.7358, 52.3510,
7.8523

■ 62.7798, 60.5989,
102.9957

■ 62.9086, 60.6654,
103.0017

Harmonies

Analogous

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



54.1687, 55.2869, 39.2508



49.7979, 55.2869, 39.9451



46.3555, 55.2869, 45.5947

Triad

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



49.7979, 55.2869, 39.9451



47.1657, 55.2869, 80.6370



61.3797, 55.2869, 64.9090

Complementary

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



49.7979, 55.2869, 39.9451



36.4684, 35.5080, 58.9675

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.



59.2700, 55.2869, 77.6275



49.7979, 55.2869, 39.9451



50.9610, 55.2869, 87.5210

Square

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



49.7979, 55.2869, 39.9451



44.8959, 55.2869, 68.5786



55.3986, 55.2869, 86.3482



61.0248, 55.2869, 52.5296

Rectangle

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



49.7979, 55.2869, 39.9451



44.9727, 55.2869, 51.9196



55.3986, 55.2869, 86.3482



60.9307, 55.2869, 69.3127

Sweetspot

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



49.7993, 55.2894, 39.9463



92.5491, 98.9841, 96.4326



41.8165, 38.9293, 37.2092



19.7535, 21.1640, 20.3632



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.



49.7993, 55.2894, 39.9463



85.8728, 96.2646, 63.4895



44.7112, 52.6663, 39.7082



11.4979, 12.4036, 11.3509



27.4897, 33.6668, 5.0495



1.3098, 1.5983, 0.2395

Inverse Universe

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



36.4684, 35.5080, 58.9675



58.6703, 55.8986, 102.3050



40.8886, 37.7867, 59.1744



10.0797, 10.2994, 13.3742



6.6777, 2.6767, 34.9091



0.3246, 0.1311, 1.6533

Previews

White Background



This preview shows how the XYZ color 49.7979, 55.2869, 39.9451 looks on a white background.

Color Contrast Check

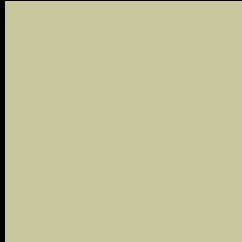
Large Text (above 18pt) WCAG AA × Fail

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 49.7979, 55.2869, 39.9451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

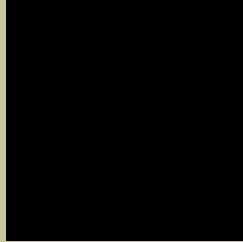
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

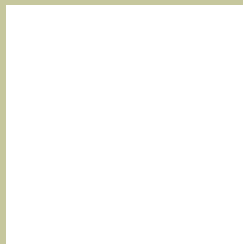
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.7979, 55.2869, 39.9451

Background



This preview shows how black text looks on a background with the XYZ color 49.7979, 55.2869, 39.9451.



This preview shows how white text looks on a background with the XYZ color 49.7979, 55.2869, 39.9451.

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

49.7979, 55.2869, 39.9451

Protanopia

51.6687, 55.2563, 38.9526

Deuteranopia

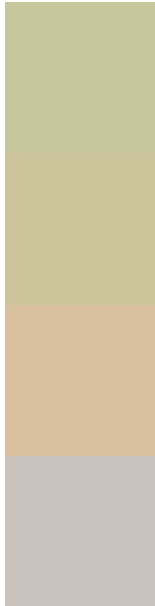
56.2361, 54.9636, 40.4460



Tritanopia

55.2890, 55.1834, 66.7689

Trichromacy



Original Color

49.7979, 55.2869, 39.9451

Protanomaly

50.8688, 55.1702, 39.4203

Deuteranomaly

53.6365, 54.9196, 40.1214

Tritanomaly

53.0575, 55.2609, 56.0141

Monochromacy



Original Color

49.7979, 55.2869, 39.9451

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.5861, 54.4182, 51.5536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7979, 55.2869, 39.9451 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(198, 199, 157)` looks like.

```
.text, #text, p{  
    color:rgb(198, 199, 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(198, 199, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 199, 157) }
```

Border

The CSS property to change the border of an element to XYZ 49.7979, 55.2869, 39.9451 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(198, 199, 157) }
```


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

```
.border{ border-color:rgb(198, 199, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 199, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 199, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 199, 157);  
box-shadow:4px 4px 4px 4px rgb(198, 199,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7979, 55.2869, 39.9451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 199, 157) }
```

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

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

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor