

Converting Colors

XYZ(49.8618, 55.0712, 40.9757)

Have a look what the booklet for
XYZ(49.8618, 55.0712, 40.9757)
contains.

XYZ(49.7408, 54.8971, 40.7755)	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(49.7408, 54.8971,
40.7755)**

Conversions

Conversions Part 1

Format	Color
Hex	C6C69F
RGB	198, 198, 159
RGB Percent	78%, 78%, 62%
CMY	0.2235, 0.2235, 0.3765
CMYK	0.00, 0.00, 0.20, 0.22
HSL	60°, 25%, 70%
HSV	60°, 20%, 78%
XYZ	49.7408, 54.8971, 40.7755
YIQ	193.5540, 12.5190, -12.1290

Conversions

Conversions Part 2

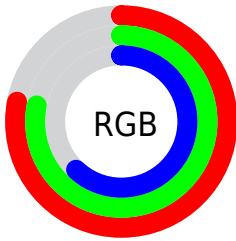
Format	Color
RYB	159, 198, 159
Decimal	13026975
CIELab	78.98, -6.48, 19.60
CIELCh	79, 20.645, 108.283
Yxy	54.8971, 0.3421, 0.3775
Android (android.graphics.Color)	4291217055 (0xFFC6C69F)
YUV	193.5540, -17.0351, 3.8991
Hunter-Lab	74.0926, -9.8291, 19.2356

Details

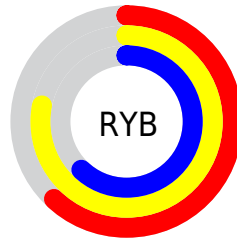
The XYZ color **49.7408, 54.8971, 40.7755** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.8913, 36.2459, 58.4808**, and the grayscale version is **51.1081, 53.7697, 58.5552**.

A 20% lighter version of the original color is **89.1376, 97.6350, 77.7657**, and **24.1287, 26.9373, 17.8376** is the 20% darker color. If you saturate the color by 10%, you get **48.1584, 54.2659, 32.4394**, and if you desaturate by 10%, it is **51.6013, 55.6432, 50.5636**.

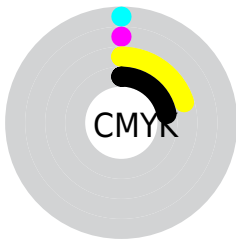
Distribution



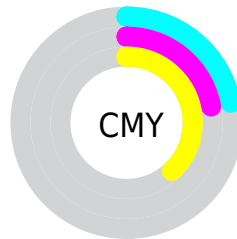
- Red (78%)
- Green (78%)
- Blue (62%)



- Red (62%)
- Yellow (78%)
- Blue (62%)



- Cyan (0%)
- Magenta (0%)
- Yellow (20%)
- Black (22%)





- Cyan (22%)
- Magenta (22%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7408, 54.8971, 40.7755 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 49.7408, 54.8971, 40.7755 by changing the saturation by 10% instead.


 49.7408, 54.8971,
40.7755


 49.7408, 54.8971,
40.7755

376.1202,
405.5218, 365.0303

 35.4244, 39.3193,
27.8253


 88.9848, 97.3902,
77.5929

 24.1581, 27.0082,
17.9561


 114.6432,
125.0743, 102.2973

 15.5763, 17.5794,
10.7494


144.8130,
157.5626, 131.7568

 9.3138, 10.6485,
5.7865

179.8595,
195.2396, 166.3900

 5.0051, 5.8310,
2.6490

220.1482,
238.4896, 206.6153

 2.2851, 2.7426,
0.9176

266.0443,

 0.7870, 0.9989,

287.6970, 252.8515

0.0000

317.9131,
343.2463, 305.5170

■ 0.0000, 0.0000,
0.0000

■ 49.7408, 54.8971,
40.7755

■ 49.7408, 54.8971,
40.7755

■ 48.1584, 54.2659,
32.4394

■ 51.6013, 55.6432,
50.5636

■ 46.8368, 53.7372,
25.4830

■ 53.7480, 56.5020,
61.8645

■ 45.7633, 53.3078,
19.8329


■ 56.1935, 57.4803,
74.7398


■ 44.9224, 52.9713,
15.4075


■ 58.9490, 58.5825,
89.2466


■ 44.2968, 52.7210,
12.1164


■ 61.5370, 59.6178,
102.8718

 43.8670, 52.5490,
9.8562


 61.5375, 59.6181,
102.8718


 43.6099, 52.4461,
8.5052

 61.5381, 59.6184,
102.8718

 43.4827, 52.3952,
7.8387

 61.5387, 59.6186,
102.8719

 43.4795, 52.3939,
7.8214

 61.5393, 59.6189,
102.8719

Harmonies

Analogous

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



53.7975, 54.8971, 40.2584



49.7408, 54.8971, 40.7755



46.5051, 54.8971, 45.9569

Triad

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



49.7408, 54.8971, 40.7755



47.0996, 54.8971, 78.2853



60.2949, 54.8971, 64.4831

Complementary

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



49.7408, 54.8971, 40.7755



36.8913, 36.2459, 58.4808

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.



58.2945, 54.8971, 76.1143



49.7408, 54.8971, 40.7755



50.5914, 54.8971, 84.7534

Square

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



49.7408, 54.8971, 40.7755



45.0362, 54.8971, 67.1494



54.6936, 54.8971, 83.9105



60.0376, 54.8971, 52.9587

Rectangle

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



49.7408, 54.8971, 40.7755



45.1831, 54.8971, 51.7929



54.6936, 54.8971, 83.9105



59.8601, 54.8971, 68.5348

Sweetspot

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



49.7422, 54.8995, 40.7767



92.6830, 99.0531, 96.4389



41.9466, 39.3066, 38.1778



19.7853, 21.1804, 20.3647



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.



49.7422, 54.8995, 40.7767



86.7127, 96.6648, 65.0092



44.9292, 52.4183, 40.5514



11.5238, 12.4170, 11.3521



28.2743, 34.0712, 5.0862



1.3388, 1.6133, 0.2408

Inverse Universe

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



36.8913, 36.2459, 58.4808



59.4959, 57.1584, 102.5046



41.0679, 38.3990, 58.6763



10.0568, 10.2876, 13.3731



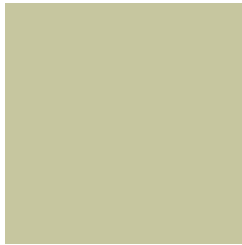
6.6290, 2.6516, 34.9068



0.3139, 0.1256, 1.6528

Previews

White Background



This preview shows how the XYZ color 49.7408, 54.8971, 40.7755 looks on a white background.

Color Contrast Check

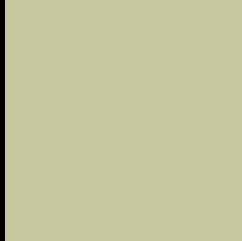
Large Text (above 18pt) WCAG AA × Fail

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 49.7408, 54.8971, 40.7755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

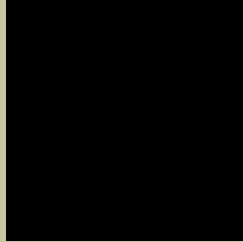
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

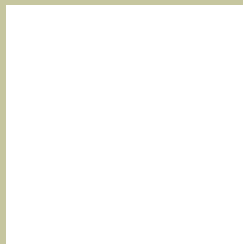
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.7408, 54.8971, 40.7755

Background



This preview shows how black text looks on a background with the XYZ color 49.7408, 54.8971, 40.7755.



This preview shows how white text looks on a background with the XYZ color 49.7408, 54.8971,

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

49.7408, 54.8971, 40.7755

Protanopia

51.4188, 54.7642, 40.2082

Deuteranopia

55.7803, 54.7084, 41.3381



Tritanopia

54.7951, 54.6040, 66.6831

Trichromacy



Original Color

49.7408, 54.8971, 40.7755

Protanomaly

50.8133, 54.7858, 40.2443

Deuteranomaly

53.5137, 54.8363, 41.0217

Tritanomaly

52.9432, 54.8578, 56.5134

Monochromacy



Original Color

49.7408, 54.8971, 40.7755

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.3613, 53.9685, 51.4787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7408, 54.8971, 40.7755 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, 198, 159)` looks like.

```
.text, #text, p{  
    color:rgb(198, 198, 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(198, 198, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 198, 159) }
```

Border

The CSS property to change the border of an element to XYZ 49.7408, 54.8971, 40.7755 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, 198, 159) }
```


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

```
.border{ border-color:rgb(198, 198, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 198, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 198, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 198, 159);  
box-shadow:4px 4px 4px 4px rgb(198, 198,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7408, 54.8971, 40.7755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 198, 159) }
```

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

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

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