

Converting Colors

XYZ(49.0055, 55.1709, 37.9869)

Have a look what the booklet for
XYZ(49.0055, 55.1709, 37.9869)
contains.

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Color

**XYZ(49.1690, 55.3442,
38.2280)**

Conversions

Conversions Part 1

Format	Color
Hex	C4C899
RGB	196, 200, 153
RGB Percent	77%, 78%, 60%
CMY	0.2314, 0.2157, 0.4000
CMYK	0.02, 0.00, 0.24, 0.22
HSL	65°, 30%, 69%
HSV	65°, 24%, 78%
XYZ	49.1690, 55.3442, 38.2280
YIQ	193.4460, 12.7030, -15.4650

Conversions

Conversions Part 2

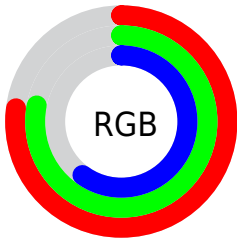
Format	Color
RYB	153, 200, 157
Decimal	12896409
CIELab	79.24, -9.13, 23.11
CIElCh	79, 24.853, 111.565
Yxy	55.3442, 0.3445, 0.3877
Android (android.graphics.Color)	4291086489 (0xFFC4C899)
YUV	193.4460, -19.9399, 2.2399
Hunter-Lab	74.3937, -12.2130, 21.6088

Details

The XYZ color **49.1690, 55.3442, 38.2280** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.7233, 34.1221, 59.3500**, and the grayscale version is **51.0609, 53.7200, 58.5011**.

A 20% lighter version of the original color is **87.6532, 96.9567, 73.7692**, and **23.8325, 27.2679, 16.5775** is the 20% darker color. If you saturate the color by 10%, you get **47.2135, 54.5130, 30.2244**, and if you desaturate by 10%, it is **51.4094, 56.2937, 47.6925**.

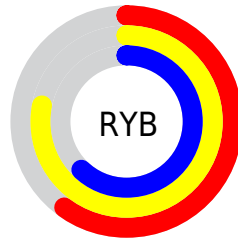
Distribution



Red (77%)

Green (78%)

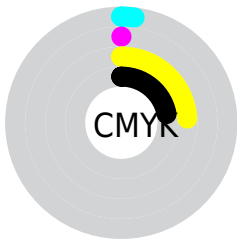
Blue (60%)



Red (60%)

Yellow (78%)

Blue (62%)

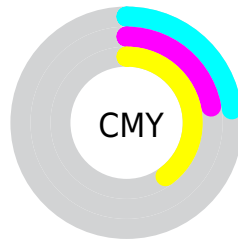


Cyan (2%)

Magenta (0%)

Yellow (24%)

Black (22%)



Cyan (23%)

Magenta (22%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1690, 55.3442, 38.2280 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 49.1690, 55.3442, 38.2280 by changing the saturation by 10% instead.

■ 49.1690, 55.3442,
38.2280

■ 49.1690, 55.3442,
38.2280

373.9132,
407.2153, 353.9245

■ 34.9686, 39.6774,
25.8565

■ 88.1416, 98.0451,
73.6648

■ 23.8051, 27.2871,
16.4915

■ 113.6446,
125.8479, 97.5671

■ 15.3131, 17.7889,
9.7145

143.6458,
158.4649, 126.1501

■ 9.1271, 10.7986,
5.1070

178.5107,
196.2804, 159.8324

■ 4.8820, 5.9316,
2.2503

218.6045,
239.6787, 199.0324

■ 2.2122, 2.8035,
0.7032

264.2926,

■ 0.7492, 1.0300,

289.0444, 244.1687

0.0000

315.9404,
344.7618, 295.6599

■ 0.0000, 0.0000,
0.0000

■ 49.1690, 55.3442,
38.2280

■ 49.1690, 55.3442,
38.2280

■ 47.2135, 54.5130,
30.2244

■ 51.4094, 56.2937,
47.6925

■ 45.5247, 53.7871,
23.6056

■ 53.9431, 57.3593,
58.6820

■ 44.0891, 53.1631,
18.2938

■ 56.7837, 58.5482,
71.2611

■ 42.8901, 52.6344,
14.2022

■ 59.9426, 59.8650,
85.4894

■ 41.9094, 52.1934,
11.2336

■ 63.4304, 61.3140,
101.4237

■ 41.1255, 51.8318,
9.2758

■ 64.2213, 61.6848,
103.1293

■ 40.5127, 51.5393,
8.1935

■ 64.6977, 61.9303,
103.1516

■ 40.1757, 51.3739,
7.7987

■ 65.1791, 62.1786,
103.1741

■ 65.6658, 62.4294,
103.1969

Harmonies

Analogous

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



54.0169, 55.3442, 37.0449



49.1690, 55.3442, 38.2280



45.4687, 55.3442, 44.8019

Triad

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



49.1690, 55.3442, 38.2280



46.8848, 55.3442, 84.3343



62.6307, 55.3442, 64.3637

Complementary

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



49.1690, 55.3442, 38.2280



35.7233, 34.1221, 59.3500

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.



60.4471, 55.3442, 78.9193



49.1690, 55.3442, 38.2280



51.2140, 55.3442, 91.5800

Square

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



49.1690, 55.3442, 38.2280



44.2088, 55.3442, 70.8871



56.1933, 55.3442, 89.4562



61.9977, 55.3442, 50.7527

Rectangle

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



49.1690, 55.3442, 38.2280



44.0501, 55.3442, 52.0155



56.1933, 55.3442, 89.4562



62.1970, 55.3442, 69.3336

Sweetspot

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



49.1704, 55.3467, 38.2292



91.7507, 98.6159, 94.4347



41.6139, 38.6665, 35.4078



19.5802, 21.0834, 19.9598



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.



49.1704, 55.3467, 38.2292



83.4072, 95.0884, 59.0857



43.5476, 52.4480, 37.9660



11.4313, 12.3693, 11.3478



25.5813, 32.6829, 4.9602



1.2382, 1.5614, 0.2361

Inverse Universe

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



35.7233, 34.1221, 59.3500



56.2636, 52.2414, 101.7259



40.7378, 36.7072, 59.5847



10.1391, 10.3299, 13.3770



6.8084, 2.7441, 34.9152



0.3519, 0.1452, 1.6546

Previews

White Background



This preview shows how the XYZ color 49.1690, 55.3442, 38.2280 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 49.1690, 55.3442, 38.2280 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

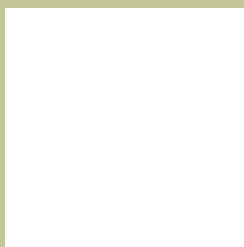
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.1690, 55.3442, 38.2280

Background



This preview shows how black text looks on a background with the XYZ color 49.1690, 55.3442, 38.2280.



This preview shows how white text looks on a background with the XYZ color 49.1690, 55.3442,

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

49.1690, 55.3442, 38.2280

Protanopia

51.6203, 55.2695, 37.2256

Deuteranopia

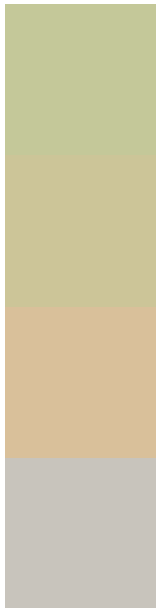
56.2127, 54.9910, 38.6619



Tritanopia

55.0837, 55.3905, 67.4627

Trichromacy



Original Color

49.1690, 55.3442, 38.2280

Protanomaly

50.5356, 55.0369, 37.6654

Deuteranomaly

53.2976, 54.7841, 38.3371

Tritanomaly

52.6364, 55.3901, 55.4941

Monochromacy



Original Color

49.1690, 55.3442, 38.2280

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.0239, 54.1635, 49.9375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1690, 55.3442, 38.2280 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(196, 200, 153)` looks like.

```
.text, #text, p{  
    color:rgb(196, 200, 153)  
}
```

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(196, 200, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 200, 153) }
```

Border

The CSS property to change the border of an element to XYZ 49.1690, 55.3442, 38.2280 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(196, 200, 153) }
```


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

```
.border{ border-color:rgb(196, 200, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 200, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 200, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 200, 153);  
box-shadow:4px 4px 4px 4px rgb(196, 200,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1690, 55.3442, 38.2280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 200, 153) }
```

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

```
.background{ background-color: rgb(196,  
200, 153) }
```

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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