

Converting Colors

XYZ(49.1030, 50.8593, 38.6142)

Have a look what the booklet for
XYZ(49.1030, 50.8593, 38.6142)
contains.

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Color

**XYZ(49.2247, 51.0628,
38.7142)**

Conversions

Conversions Part 1

Format	Color
Hex	CEBB9C
RGB	206, 187, 156
RGB Percent	81%, 73%, 61%
CMY	0.1922, 0.2666, 0.3882
CMYK	0.00, 0.09, 0.24, 0.19
HSL	37°, 34%, 71%
HSV	37°, 24%, 81%
XYZ	49.2247, 51.0628, 38.7142
YIQ	189.1470, 21.2750, -5.6130

Conversions

Conversions Part 2

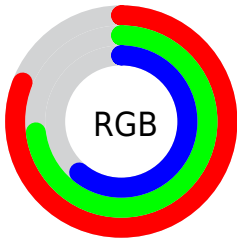
Format	Color
R _Y B	187, 206, 156
Decimal	13548444
CIE Lab	76.72, 1.89, 18.17
CIE LCh	77, 18.267, 84.068
Yxy	51.0628, 0.3541, 0.3674
Android (android.graphics.Color)	4291738524 (0xFFCEBB9C)
YUV	189.1470, -16.3415, 14.7801
Hunter-Lab	71.4582, -2.0905, 17.8990

Details

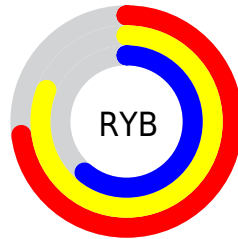
The XYZ color **49.2247, 51.0628, 38.7142** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.1806, 42.1830, 64.4172**, and the grayscale version is **48.5371, 51.0648, 55.6096**.

A 20% lighter version of the original color is **85.0485, 90.0643, 74.5296**, and **23.8374, 24.6494, 16.8660** is the 20% darker color. If you saturate the color by 10%, you get **46.0112, 47.1945, 29.7546**, and if you desaturate by 10%, it is **52.8272, 55.2351, 49.2642**.

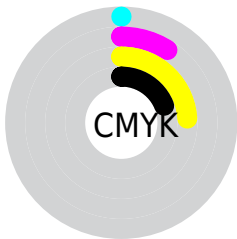
Distribution



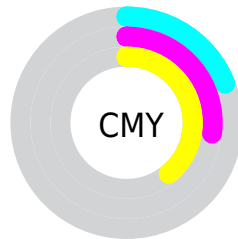
- Red (81%)
- Green (73%)
- Blue (61%)



- Red (73%)
- Yellow (81%)
- Blue (61%)



- Cyan (0%)
- Magenta (9%)
- Yellow (24%)
- Black (19%)





- Cyan (19%)
- Magenta (27%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2247, 51.0628, 38.7142 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 49.2247, 51.0628, 38.7142 by changing the saturation by 10% instead.


 49.2247, 51.0628,
38.7142


 49.2247, 51.0628,
38.7142


374.1285,
390.8077, 356.0635

 35.0130, 36.2586,
26.2313

 88.2238, 91.7476,
74.4170

 23.8395, 24.6340,
16.7695


 113.7420,
118.3970, 98.4741

 15.3387, 15.8046,
9.9101


143.7596,
149.7635, 127.2263

 9.1453, 9.3860,
5.2345

178.6422,
186.2316, 161.0922

 4.8939, 4.9938,
2.3244

218.7550,
228.1857, 200.4903

 2.2193, 2.2436,
0.7448

264.4635,

 0.7529, 0.7436,

276.0102, 245.8392

0.0000

316.1328,
330.0894, 297.5574

■ 0.0000, 0.0000,
0.0000

■ 49.2247, 51.0628,
38.7142

■ 49.2247, 51.0628,
38.7142

■ 46.0112, 47.1945,
29.7546

■ 52.8272, 55.2351,
49.2642

■ 43.1665, 43.6144,
22.3032

■ 56.8301, 59.7127,
61.4750

■ 40.6741, 40.3155,
16.2751

■ 61.2489, 64.5059,
75.4165

■ 38.5146, 37.2875,
11.5756

■ 66.0973, 69.6223,
91.1535

■ 36.6665, 34.5193,
8.0987

■ 70.7371, 74.8087,
105.3190

■ 35.1050, 31.9986,
5.7214

■ 72.9158, 79.1661,
106.0453

■ 33.8002, 29.7107,
4.2948

■ 75.1930, 83.7204,
106.8043

■ 33.1388, 28.4921,
3.7529

■ 77.5698, 88.4740,
107.5966

■ 79.2637, 91.8619,
108.1612

Harmonies

Analogous

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



52.5447, 51.0628, 41.5498



49.2247, 51.0628, 38.7142



45.8699, 51.0628, 39.9487

Triad

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



49.2247, 51.0628, 38.7142



42.7072, 51.0628, 63.7395



54.1243, 51.0628, 67.5501

Complementary

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



49.2247, 51.0628, 38.7142



40.1806, 42.1830, 64.4172

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.



51.2986, 51.0628, 74.8801



49.2247, 51.0628, 38.7142



44.7321, 51.0628, 72.5035

Square

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



49.2247, 51.0628, 38.7142



42.2106, 51.0628, 53.6521



47.8491, 51.0628, 76.7925



55.4586, 51.0628, 57.5918

Rectangle

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



49.2247, 51.0628, 38.7142



44.0506, 51.0628, 42.9977



47.8491, 51.0628, 76.7925



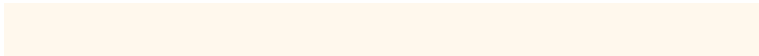
53.3110, 51.0628, 70.4485

Sweetspot

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



49.2260, 51.0651, 38.7153



90.1826, 94.6525, 93.7523



45.0968, 40.0011, 45.9880



19.2163, 20.1634, 19.8014



0.0000, 0.0000, 0.0000



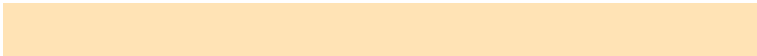
20.3446, 21.4041, 23.3091

Same Dimension

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



49.2260, 51.0651, 38.7153



77.0289, 79.4847, 55.0252



51.9364, 58.8456, 40.0742



11.7819, 12.3528, 11.8428



20.5019, 17.7367, 2.3430



1.1294, 1.0586, 0.1448

Inverse Universe

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



40.1806, 42.1830, 64.4172



59.9537, 62.7217, 103.5543



37.8961, 35.8978, 63.3244



10.9452, 11.5309, 14.2192



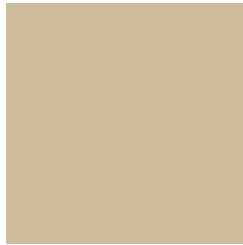
8.6359, 6.2957, 36.7163



0.5182, 0.4701, 1.9184

Previews

White Background



This preview shows how the XYZ color 49.2247, 51.0628, 38.7142 looks on a white background.

Color Contrast Check

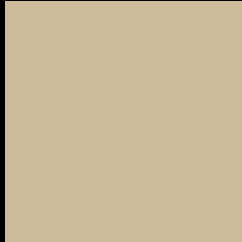
Large Text (above 18pt) WCAG AA × Fail

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 49.2247, 51.0628, 38.7142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

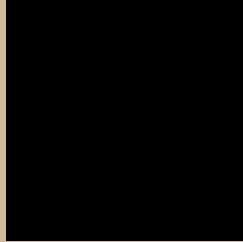
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.2247, 51.0628, 38.7142

Background



This preview shows how black text looks on a background with the XYZ color 49.2247, 51.0628, 38.7142.



This preview shows how white text looks on a background with the XYZ color 49.2247, 51.0628,

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

49.2247, 51.0628, 38.7142

Protanopia

48.1028, 51.1089, 39.2280

Deuteranopia

52.0272, 50.9503, 38.9905



Tritanopia

53.3516, 50.8822, 59.2339

Trichromacy



Original Color

49.2247, 51.0628, 38.7142

Protanomaly

48.4261, 50.9573, 39.1817

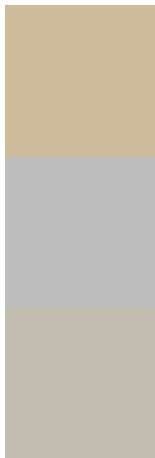
Deuteranomaly

50.9578, 51.0114, 39.0587

Tritanomaly

51.5685, 50.7585, 50.7955

Monochromacy



Original Color

49.2247, 51.0628, 38.7142

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.4247, 50.7429, 48.8371

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2247, 51.0628, 38.7142 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(206, 187, 156)` looks like.

```
.text, #text, p{  
    color:rgb(206, 187, 156)  
}
```

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(206, 187, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 187, 156) }
```

Border

The CSS property to change the border of an element to XYZ 49.2247, 51.0628, 38.7142 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(206, 187, 156) }
```


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

```
.border{ border-color:rgb(206, 187, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 187, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 187, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 187, 156);  
box-shadow:4px 4px 4px 4px rgb(206, 187,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2247, 51.0628, 38.7142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 187, 156) }
```

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

```
.background{ background-color: rgb(206,  
187, 156) }
```

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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