

Converting Colors

XYZ(49.2287, 49.8226, 38.4746)

Have a look what the booklet for
XYZ(49.2287, 49.8226, 38.4746)
contains.

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Color

**XYZ(49.2287, 49.8226,
38.4746)**

Conversions

Conversions Part 1

Format	Color
Hex	D1B79C
RGB	209, 183, 156
RGB Percent	82%, 72%, 61%
CMY	0.1804, 0.2823, 0.3882
CMYK	0.00, 0.12, 0.25, 0.18
HSL	31°, 37%, 72%
HSV	31°, 25%, 82%
XYZ	49.2287, 49.8226, 38.4746
YIQ	187.6960, 24.1630, -2.8850

Conversions

Conversions Part 2

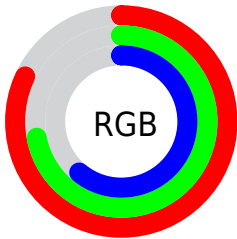
Format	Color
R _Y B	207, 209, 156
Decimal	13744028
CIE Lab	75.96, 5.16, 17.16
CIE LCh	76, 17.916, 73.259
Yxy	49.8226, 0.3580, 0.3623
Android (android.graphics.Color)	4291934108 (0xFFD1B79C)
YUV	187.6960, -15.6261, 18.6836
Hunter-Lab	70.5851, 0.9686, 17.0917

Details

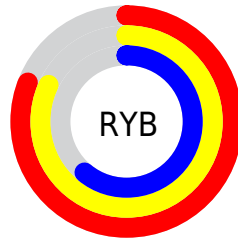
The XYZ color **49.2287, 49.8226, 38.4746** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.9464, 45.1259, 66.8211**, and the grayscale version is **47.7048, 50.1892, 54.6560**.

A 20% lighter version of the original color is **83.8644, 87.6962, 74.1349**, and **23.8589, 23.8552, 16.7116** is the 20% darker color. If you saturate the color by 10%, you get **45.5714, 45.1005, 29.2626**, and if you desaturate by 10%, it is **53.3472, 54.9791, 49.3439**.

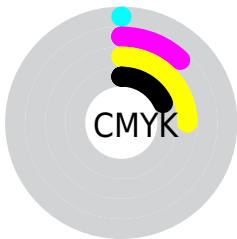
Distribution



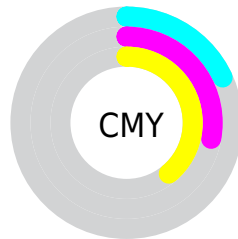
- Red (82%)
- Green (72%)
- Blue (61%)



- Red (81%)
- Yellow (82%)
- Blue (61%)



- Cyan (0%)
- Magenta (12%)
- Yellow (25%)
- Black (18%)





- Cyan (18%)
- Magenta (28%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2287, 49.8226, 38.4746 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 49.2287, 49.8226, 38.4746 by changing the saturation by 10% instead.


 49.2287, 49.8226,
38.4746


 49.2287, 49.8226,
38.4746


374.1440,
385.9718, 355.0106

 35.0162, 35.2725,
26.0466


 88.2297, 89.9120,
74.0465

 23.8419, 23.8728,
16.6324


 113.7489,
116.2200, 98.0274

 15.3405, 15.2393,
9.8136


143.7678,
147.2161, 126.6963

 9.1466, 8.9875,
5.1715

178.6517,
183.2847, 160.4719

 4.8948, 4.7330,
2.2878

218.7658,
224.8102, 199.7725

 2.2198, 2.0915,
0.7244

264.4757,

 0.7531, 0.6598,

272.1769, 245.0168

0.0000

316.1467,
325.7693, 296.6233

■ 0.0000, 0.0000,
0.0000

■ 49.2287, 49.8226,
38.4746

■ 49.2287, 49.8226,
38.4746

■ 45.5714, 45.1005,
29.2626

■ 53.3472, 54.9791,
49.3439

■ 42.3524, 40.7932,
21.6214

■ 57.9407, 60.5754,
61.9446

■ 39.5529, 36.8894,
15.4618

■ 63.0270, 66.6251,
76.3501

■ 37.1506, 33.3748,
10.6837

■ 68.6218, 73.1394,
92.6287

■ 35.1206, 30.2336,
7.1749

■ 73.8416, 79.7695,
106.1129

■ 33.4348, 27.4485,
4.8048

■ 76.8494, 85.7851,
107.1155

■ 32.0592, 24.9997,
3.4143

■ 80.0289, 92.1440,
108.1753

■ 31.4992, 23.9646,
2.9654

■ 80.1045, 92.2953,
108.2006

Harmonies

Analogous

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



52.1869, 49.8226, 42.5964



49.2287, 49.8226, 38.4746



45.8974, 49.8226, 38.2450

Triad

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



49.2287, 49.8226, 38.4746



41.3757, 49.8226, 58.5764



51.8931, 49.8226, 68.7735

Complementary

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



49.2287, 49.8226, 38.4746



41.9464, 45.1259, 66.8211

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.



48.8429, 49.8226, 74.1892



49.2287, 49.8226, 38.4746



42.8307, 49.8226, 67.8521

Square

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



49.2287, 49.8226, 38.4746



41.4681, 49.8226, 49.1217



45.5292, 49.8226, 73.8334



53.7740, 49.8226, 59.7198

Rectangle

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



49.2287, 49.8226, 38.4746



43.9199, 49.8226, 40.2778



45.5292, 49.8226, 73.8334



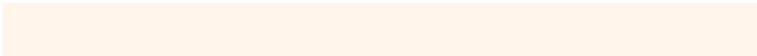
50.9645, 49.8226, 71.1250

Sweetspot

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



49.2300, 49.8249, 38.4756



88.8283, 92.5364, 91.4742



46.6786, 40.7309, 49.9295



18.7745, 19.5173, 18.9220



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.



49.2300, 49.8249, 38.4756



74.2625, 74.3671, 52.8234



55.0959, 61.5567, 40.4309



12.2996, 12.7898, 12.4325



19.5204, 14.9739, 1.8614



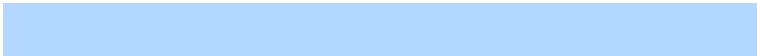
1.1708, 0.9959, 0.1305

Inverse Universe

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



41.9464, 45.1259, 66.8211



61.0865, 65.8671, 104.1018



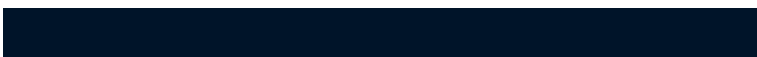
37.1080, 35.4490, 65.2082



11.6356, 12.3614, 15.0164



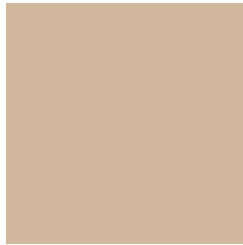
10.1546, 8.9559, 38.3859



0.6471, 0.6594, 2.1727

Previews

White Background



This preview shows how the XYZ color 49.2287, 49.8226, 38.4746 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 49.2287, 49.8226, 38.4746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

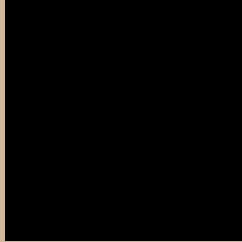
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.2287, 49.8226, 38.4746

Background



This preview shows how black text looks on a background with the XYZ color 49.2287, 49.8226, 38.4746.



This preview shows how white text looks on a background with the XYZ color 49.2287, 49.8226,

38.4746.

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

49.2287, 49.8226, 38.4746

Protanopia

46.9678, 49.8796, 39.5000

Deuteranopia

50.7260, 49.6758, 38.8131



Tritanopia

52.8754, 49.7927, 56.6933

Trichromacy



Original Color

49.2287, 49.8226, 38.4746

Protanomaly

47.7321, 49.9696, 39.0276

Deuteranomaly

50.0502, 49.6282, 38.8396

Tritanomaly

51.6093, 49.8942, 49.5583

Monochromacy



Original Color

49.2287, 49.8226, 38.4746

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.1603, 49.9882, 48.1847

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2287, 49.8226, 38.4746 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(209, 183, 156)` looks like.

```
.text, #text, p{  
    color:rgb(209, 183, 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(209, 183, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 183, 156) }
```

Border

The CSS property to change the border of an element to XYZ 49.2287, 49.8226, 38.4746 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(209, 183, 156) }
```


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

```
.border{ border-color:rgb(209, 183, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 183, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 183, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 183, 156);  
box-shadow:4px 4px 4px 4px rgb(209, 183,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2287, 49.8226, 38.4746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 183, 156) }
```

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

```
.background{ background-color: rgb(209,  
183, 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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