

Converting Colors

XYZ(48.3613, 46.8131, 27.3178)

Have a look what the booklet for
XYZ(48.3613, 46.8131, 27.3178)
contains.

XYZ(48.3119, 46.9172, 27.2785)	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(48.3119, 46.9172,
27.2785)**

Conversions

Conversions Part 1

Format	Color
Hex	DBAE81
RGB	219, 174, 129
RGB Percent	86%, 68%, 51%
CMY	0.1412, 0.3176, 0.4941
CMYK	0.00, 0.21, 0.41, 0.14
HSL	30°, 56%, 68%
HSV	30°, 41%, 86%
XYZ	48.3119, 46.9172, 27.2785
YIQ	182.3250, 41.2650, -4.4550

Conversions

Conversions Part 2

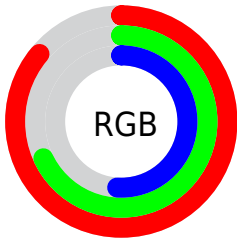
Format	Color
R _Y B	219, 219, 129
Decimal	14397057
CIE Lab	74.14, 10.51, 29.33
CIE LCh	74, 31.154, 70.280
Yxy	46.9172, 0.3944, 0.3830
Android (android.graphics.Color)	4292587137 (0xFFDBAE81)
YUV	182.3250, -26.2892, 32.1640
Hunter-Lab	68.4961, 6.0319, 24.3351

Details

The XYZ color **48.3119, 46.9172, 27.2785** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **36.9748, 40.0521, 72.7997**, and the grayscale version is **44.7648, 47.0960, 51.2876**.

A 20% lighter version of the original color is **77.7028, 80.6760, 55.7326**, and **23.2711, 22.1650, 10.4489** is the 20% darker color. If you saturate the color by 10%, you get **44.9799, 42.3384, 19.7394**, and if you desaturate by 10%, it is **52.1307, 51.9701, 36.5199**.

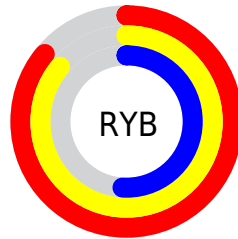
Distribution



Red (86%)

Green (68%)

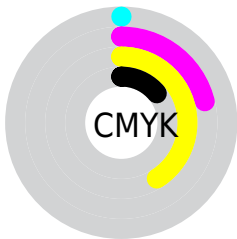
Blue (51%)



Red (86%)

Yellow (86%)

Blue (51%)

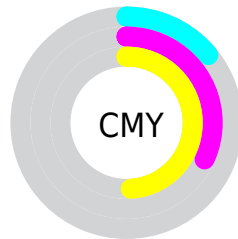


Cyan (0%)

Magenta (21%)

Yellow (41%)

Black (14%)



Cyan (14%)


Magenta (32%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3119, 46.9172, 27.2785 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 48.3119, 46.9172, 27.2785 by changing the saturation by 10% instead.


 48.3119, 46.9172,
27.2785


 48.3119, 46.9172,
27.2785


370.5891,
374.4839, 302.8058


 34.2862, 32.9702,
17.5482


 86.8755, 85.5900,
56.3396

 23.2775, 22.1036,
10.4600


 112.1441,
111.0846, 76.5075

 14.9204, 13.9331,
5.5955


 141.8911,
141.1972, 100.9917

 8.8495, 8.0741,
2.5359

176.4819,
176.3122, 130.2107

 4.6994, 4.1424,
0.8591

216.2817,
216.8140, 164.5831

 2.1050, 1.7535,
0.0000

261.6559,

 0.6919, 0.4580,

263.0869, 204.5273

0.0000

312.9700,
315.5154, 250.4621

■ 0.0000, 0.0000,
0.0000

■ 48.3119, 46.9172,
27.2785

■ 48.3119, 46.9172,
27.2785

■ 44.9799, 42.3384,
19.7394

■ 52.1307, 51.9701,
36.5199

■ 42.1069, 38.2108,
13.7926

■ 56.4551, 57.5057,
47.5588

■ 39.6674, 34.5192,
9.3191


■ 61.3069, 63.5407,
60.4864

■ 37.6313, 31.2444,
6.1822


■ 66.7057, 70.0886,
75.3869


■ 35.9633, 28.3649,
4.2183

■ 72.6698, 77.1627,
92.3396

 34.7368, 26.1070,
3.2083

 78.3346, 84.4227,
106.7743

 81.6503, 91.0540,
107.8795

 83.0233, 93.8000,
108.3372

Harmonies

Analogous

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



53.2881, 46.9172, 33.6852



48.3119, 46.9172, 27.2785



42.7063, 46.9172, 26.4262

Triad

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



48.3119, 46.9172, 27.2785



34.8491, 46.9172, 56.7660



51.8947, 46.9172, 78.2901

Complementary

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



48.3119, 46.9172, 27.2785



36.9748, 40.0521, 72.7997

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.



46.5353, 46.9172, 87.6689



48.3119, 46.9172, 27.2785



36.8999, 46.9172, 73.6332

Square

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



48.3119, 46.9172, 27.2785



35.2382, 46.9172, 41.4037



41.0708, 46.9172, 85.8065



55.4731, 46.9172, 62.1684

Rectangle

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



48.3119, 46.9172, 27.2785



39.4001, 46.9172, 28.8817



41.0708, 46.9172, 85.8065



50.2241, 46.9172, 82.4740

Sweetspot

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



48.3131, 46.9194, 27.2794



85.8212, 88.8083, 83.4242



44.7039, 33.8170, 44.2159



18.1690, 18.7617, 17.3159



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.



48.3131, 46.9194, 27.2794



64.2393, 60.8065, 29.4877



58.5073, 67.3079, 30.6775



13.5913, 14.1219, 13.7350



20.7069, 15.6994, 1.9389



1.4277, 1.1894, 0.1543

Inverse Universe

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



36.9748, 40.0521, 72.7997



46.2271, 49.8969, 101.8024



29.6901, 25.4827, 70.3714



12.8738, 13.6874, 16.6155



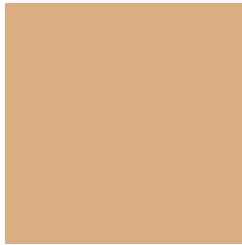
10.9648, 9.7989, 41.0519



0.7965, 0.8072, 2.6883

Previews

White Background



This preview shows how the XYZ color 48.3119, 46.9172, 27.2785 looks on a white background.

Color Contrast Check

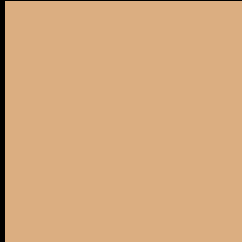
Large Text (above 18pt) WCAG AA × Fail

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 48.3119, 46.9172, 27.2785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

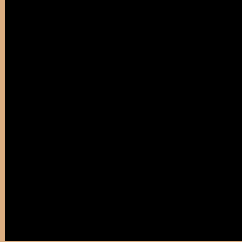
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.3119, 46.9172, 27.2785

Background



This preview shows how black text looks on a background with the XYZ color 48.3119, 46.9172, 27.2785.



This preview shows how white text looks on a background with the XYZ color 48.3119, 46.9172,

27.2785.

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

48.3119, 46.9172, 27.2785

Protanopia

43.7265, 46.8851, 28.9354

Deuteranopia

47.9077, 46.9966, 27.3151



Tritanopia

52.7974, 46.7800, 49.4267

Trichromacy



Original Color

48.3119, 46.9172, 27.2785

Protanomaly

45.1868, 46.7435, 28.4706

Deuteranomaly

48.2059, 47.1503, 27.3291

Tritanomaly

50.9319, 46.8523, 40.0772

Monochromacy



Original Color

48.3119, 46.9172, 27.2785

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.2366, 46.4866, 41.2389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3119, 46.9172, 27.2785 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(219, 174, 129)` looks like.

```
.text, #text, p{  
    color:rgb(219, 174, 129)  
}
```

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(219, 174, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 174, 129) }
```

Border

The CSS property to change the border of an element to XYZ 48.3119, 46.9172, 27.2785 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(219, 174, 129) }
```


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

```
.border{ border-color:rgb(219, 174, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 174, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 174, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 174, 129);  
box-shadow:4px 4px 4px 4px rgb(219, 174,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3119, 46.9172, 27.2785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 174, 129) }
```

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

```
.background{ background-color: rgb(219,  
174, 129) }
```

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