

Converting Colors

XYZ(49.7436, 48.1638, 29.6061)

Have a look what the booklet for
XYZ(49.7436, 48.1638, 29.6061)
contains.

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Color

**XYZ(49.7173, 48.1721,
29.5994)**

Conversions

Conversions Part 1

Format	Color
Hex	DDB087
RGB	221, 176, 135
RGB Percent	87%, 69%, 53%
CMY	0.1333, 0.3098, 0.4706
CMYK	0.00, 0.20, 0.39, 0.13
HSL	29°, 56%, 70%
HSV	29°, 39%, 87%
XYZ	49.7173, 48.1721, 29.5994
YIQ	184.7810, 39.9810, -3.2110

Conversions

Conversions Part 2

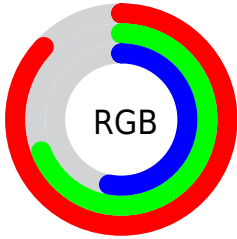
Format	Color
RYB	221, 213, 135
Decimal	14528647
CIELab	74.93, 10.91, 27.22
CIELCh	75, 29.327, 68.158
Yxy	48.1721, 0.3900, 0.3779
Android (android.graphics.Color)	4292718727 (0xFFDDB087)
YUV	184.7810, -24.5420, 31.7641
Hunter-Lab	69.4061, 6.4032, 23.2991

Details

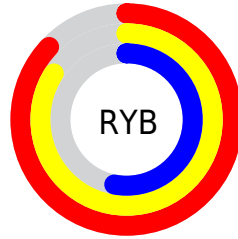
The XYZ color **49.7173, 48.1721, 29.5994** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **39.3635, 43.0123, 74.6341**, and the grayscale version is **46.1099, 48.5112, 52.8287**.

A 20% lighter version of the original color is **79.2819, 82.6473, 59.9180**, and **24.1572, 22.9637, 11.7535** is the 20% darker color. If you saturate the color by 10%, you get **46.1488, 43.2720, 21.5138**, and if you desaturate by 10%, it is **53.8044, 53.5922, 39.4523**.

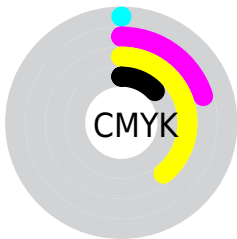
Distribution



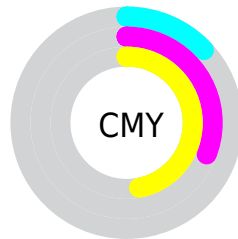
- Red (87%)
- Green (69%)
- Blue (53%)



- Red (87%)
- Yellow (84%)
- Blue (53%)



- Cyan (0%)
- Magenta (20%)
- Yellow (39%)
- Black (13%)





- Cyan (13%)
- Magenta (31%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7173, 48.1721, 29.5994 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 49.7173, 48.1721, 29.5994 by changing the saturation by 10% instead.


 49.7173, 48.1721,
29.5994


 49.7173, 48.1721,
29.5994


376.0297,
379.4739, 314.1817


 35.4057, 33.9632,
19.2853


 88.9502, 87.4606,
60.0816

 24.1435, 22.8653,
11.6977


 114.6022,
113.3090, 81.0867

 15.5654, 14.4941,
6.4181


 144.7651,
143.8059, 106.4925

 9.3061, 8.4651,
3.0281

179.8042,
179.3359, 136.7176

 5.0001, 4.3940,
1.1090

220.0848,
220.2833, 172.1806

 2.2821, 1.8963,
0.0000

265.9724,

 0.7855, 0.5462,

267.0325, 213.2999

0.0000

317.8322,
319.9679, 260.4940

■ 0.0000, 0.0000,
0.0000

■ 49.7173, 48.1721,
29.5994

■ 49.7173, 48.1721,
29.5994

■ 46.1488, 43.2720,
21.5138

■ 53.8044, 53.5922,
39.4523

■ 43.0702, 38.8674,
15.0848

■ 58.4295, 59.5422,
51.1680

■ 40.4555, 34.9417,
10.1940

■ 63.6152, 66.0399,
64.8386

■ 38.2739, 31.4743,
6.7053

■ 69.3817, 73.1004,
80.5492

■ 36.4900, 28.4424,
4.4585

■ 75.7482, 80.7381,
98.3798

■ 35.0511, 25.8157,
3.2045

■ 80.6368, 88.1282,
107.3682

■ 34.9084, 25.5515,
3.0921

■ 83.6288, 94.1121,
108.3655

Harmonies

Analogous

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



54.3522, 48.1721, 36.2867



49.7173, 48.1721, 29.5994



44.3432, 48.1721, 28.3771

Triad

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



49.7173, 48.1721, 29.5994



36.3476, 48.1721, 56.7398



52.4339, 48.1721, 79.1665

Complementary

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



49.7173, 48.1721, 29.5994



39.3635, 43.0123, 74.6341

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.



47.2601, 48.1721, 87.3152



49.7173, 48.1721, 29.5994



38.1710, 48.1721, 72.8190

Square

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



49.7173, 48.1721, 29.5994



36.8936, 48.1721, 42.2448



42.0679, 48.1721, 84.7904



56.0037, 48.1721, 64.1819

Rectangle

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



49.7173, 48.1721, 29.5994



41.1054, 48.1721, 30.5452



42.0679, 48.1721, 84.7904



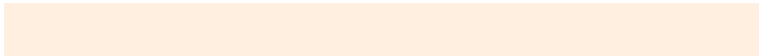
50.8094, 48.1721, 82.9166

Sweetspot

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



49.7185, 48.1744, 29.6004



85.6125, 88.3908, 83.3546



46.8098, 36.0313, 48.1323



18.1199, 18.6635, 17.2995



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.



49.7185, 48.1744, 29.6004



64.5382, 60.8423, 31.3193



59.2981, 67.3334, 32.7935



13.5656, 14.0706, 13.7265



20.3908, 15.0672, 1.8335



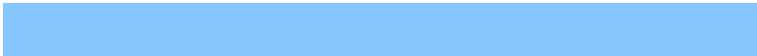
1.4069, 1.1480, 0.1474

Inverse Universe

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



39.3635, 43.0123, 74.6341



48.2268, 52.7054, 102.2391



32.1126, 28.5106, 72.2172



12.8996, 13.7389, 16.6241



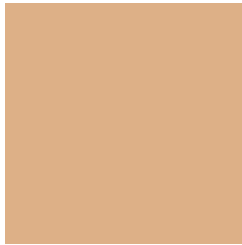
11.2990, 10.4675, 41.1633



0.8181, 0.8503, 2.6955

Previews

White Background



This preview shows how the XYZ color 49.7173, 48.1721, 29.5994 looks on a white background.

Color Contrast Check

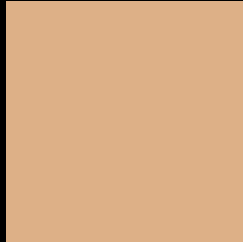
Large Text (above 18pt) WCAG AA × Fail

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 49.7173, 48.1721, 29.5994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

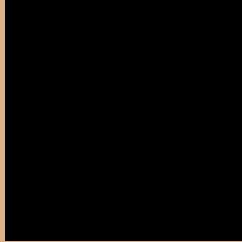
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.7173, 48.1721, 29.5994

Background



This preview shows how black text looks on a background with the XYZ color 49.7173, 48.1721, 29.5994.



This preview shows how white text looks on a background with the XYZ color 49.7173, 48.1721,

29.5994.

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

49.7173, 48.1721, 29.5994

Protanopia

45.0894, 48.1508, 31.3437

Deuteranopia

49.3087, 48.2536, 29.6367



Tritanopia

54.2860, 48.3371, 51.2686

Trichromacy



Original Color

49.7173, 48.1721, 29.5994

Protanomaly

46.5649, 48.0045, 30.8563

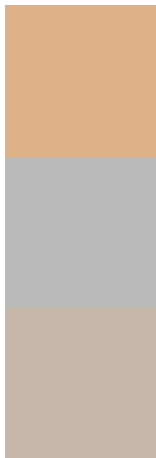
Deuteranomaly

49.6105, 48.4092, 29.6508

Tritanomaly

52.3759, 48.1055, 42.6012

Monochromacy



Original Color

49.7173, 48.1721, 29.5994

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.9917, 48.2517, 43.3960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7173, 48.1721, 29.5994 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(221, 176, 135)` looks like.

```
.text, #text, p{  
    color:rgb(221, 176, 135)  
}
```

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(221, 176, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 176, 135) }
```

Border

The CSS property to change the border of an element to XYZ 49.7173, 48.1721, 29.5994 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(221, 176, 135) }
```


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

```
.border{ border-color:rgb(221, 176, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 176, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 176, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 176, 135);  
box-shadow:4px 4px 4px 4px rgb(221, 176,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7173, 48.1721, 29.5994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 176, 135) }
```

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

```
.background{ background-color: rgb(221,  
176, 135) }
```

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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