

Converting Colors

XYZ(49.3185, 49.1658, 32.9525)

Have a look what the booklet for
XYZ(49.3185, 49.1658, 32.9525)
contains.

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Color

**XYZ(49.3035, 49.0728,
32.8600)**

Conversions

Conversions Part 1

Format	Color
Hex	D7B48F
RGB	215, 180, 143
RGB Percent	84%, 71%, 56%
CMY	0.1569, 0.2941, 0.4392
CMYK	0.00, 0.16, 0.33, 0.16
HSL	31°, 47%, 70%
HSV	31°, 33%, 84%
XYZ	49.3035, 49.0728, 32.8600
YIQ	186.2470, 32.7370, -4.0870

Conversions

Conversions Part 2

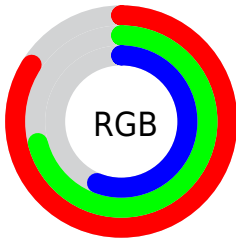
Format	Color
R _Y B	211, 215, 143
Decimal	14136463
CIE Lab	75.50, 7.36, 23.60
CIE LCh	75, 24.722, 72.674
Yxy	49.0728, 0.3757, 0.3739
Android (android.graphics.Color)	4292326543 (0xFFD7B48F)
YUV	186.2470, -21.3208, 25.2164
Hunter-Lab	70.0520, 3.0397, 21.2246

Details

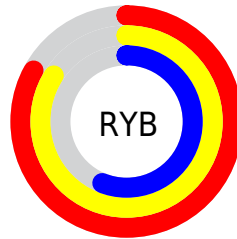
The XYZ color **49.3035, 49.0728, 32.8600** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **39.5133, 42.5852, 70.4271**, and the grayscale version is **46.9146, 49.3579, 53.7507**.

A 20% lighter version of the original color is **81.3135, 85.2821, 64.9987**, and **23.8192, 23.3224, 13.3715** is the 20% darker color. If you saturate the color by 10%, you get **45.7979, 44.4230, 24.4115**, and if you desaturate by 10%, it is **53.2828, 54.1701, 43.0075**.

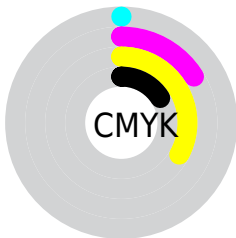
Distribution



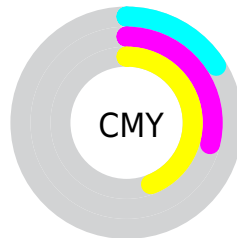
- Red (84%)
- Green (71%)
- Blue (56%)



- Red (83%)
- Yellow (84%)
- Blue (56%)



- Cyan (0%)
- Magenta (16%)
- Yellow (33%)
- Black (16%)





- Cyan (16%)
- Magenta (29%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3035, 49.0728, 32.8600 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 49.3035, 49.0728, 32.8600 by changing the saturation by 10% instead.


 49.3035, 49.0728,
32.8600


 49.3035, 49.0728,
32.8600


374.4331,
383.0288, 329.6311

 35.0758, 34.6772,
21.7490


 88.3401, 88.7996,
65.2704

 23.8881, 23.4144,
13.4760


 113.8797,
114.8996, 87.4068

 15.3749, 14.8998,
7.6226


143.9206,
145.6698, 114.0555

 9.1709, 8.7491,
3.7701

178.8283,
181.4947, 145.6349

 4.9109, 4.5779,
1.5001

218.9680,
222.7587, 182.5636

 2.2293, 2.0018,
0.2180

264.7051,

 0.7581, 0.6085,

269.8461, 225.2602

0.0000

316.4050,
323.1414, 274.1432

■ 0.0000, 0.0000,
0.0000

■ 49.3035, 49.0728,
32.8600

■ 49.3035, 49.0728,
32.8600

■ 45.7979, 44.4230,
24.4115

■ 53.2828, 54.1701,
43.0075

■ 42.7410, 40.1999,
17.5636

■ 57.7520, 59.7215,
54.9388

■ 40.1106, 36.3905,
12.2124


■ 62.7309, 65.7420,
68.7367


■ 37.8809, 32.9786,
8.2401


■ 68.2370, 72.2435,
84.4778

■ 36.0226, 29.9462,
5.5110

■ 74.2869, 79.2377,
102.2344

 34.5006, 27.2728,
3.8613

 78.0367, 85.5919,
107.0157

 33.6544, 25.7073,
3.1882

 81.2486, 92.0156,
108.0863

 81.8343, 93.1871,
108.2815

Harmonies

Analogous

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



53.3929, 49.0728, 38.1494



49.3035, 49.0728, 32.8600



44.7441, 49.0728, 32.4798

Triad

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



49.3035, 49.0728, 32.8600



38.5973, 49.0728, 59.1350



52.8438, 49.0728, 74.1108

Complementary

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



49.3035, 49.0728, 32.8600



39.5133, 42.5852, 70.4271

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.



48.5932, 49.0728, 81.8785



49.3035, 49.0728, 32.8600



40.4860, 49.0728, 72.3319

Square

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



49.3035, 49.0728, 32.8600



38.7600, 49.0728, 46.2945



44.0785, 49.0728, 81.1790



55.5266, 49.0728, 61.2677

Rectangle

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



49.3035, 49.0728, 32.8600



42.0654, 49.0728, 34.9533



44.0785, 49.0728, 81.1790



51.5395, 49.0728, 77.4893

Sweetspot

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



49.3048, 49.0751, 32.8610



87.3856, 90.8107, 87.4178



45.9838, 37.3472, 47.4333



18.4870, 19.1731, 18.1141



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.



49.3048, 49.0751, 32.8610



68.9226, 67.4255, 39.5188



57.2828, 65.0311, 35.5203



12.9458, 13.4657, 13.0775



20.2360, 15.5893, 1.9425



1.3033, 1.1058, 0.1447

Inverse Universe

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



39.5133, 42.5852, 70.4271



52.4429, 56.5044, 102.7501



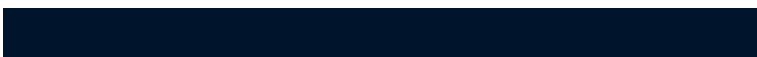
33.4164, 30.3915, 68.3949



12.2358, 12.9951, 15.8009



10.4327, 9.1273, 39.6650



0.7119, 0.7159, 2.4200

Previews

White Background



This preview shows how the XYZ color 49.3035, 49.0728, 32.8600 looks on a white background.

Color Contrast Check

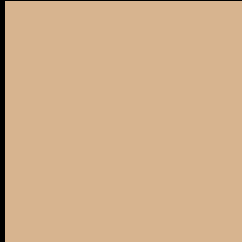
Large Text (above 18pt) WCAG AA × Fail

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 49.3035, 49.0728, 32.8600 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 49.3035, 49.0728, 32.8600

Background



This preview shows how black text looks on a background with the XYZ color 49.3035, 49.0728, 32.8600.



This preview shows how white text looks on a background with the XYZ color 49.3035, 49.0728,

32.8600.

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

49.3035, 49.0728, 32.8600

Protanopia

46.0359, 49.1989, 34.2641

Deuteranopia

49.9915, 49.1288, 32.8346



Tritanopia

53.6209, 49.0756, 53.6601

Trichromacy



Original Color

49.3035, 49.0728, 32.8600

Protanomaly

47.1532, 49.1627, 33.7922

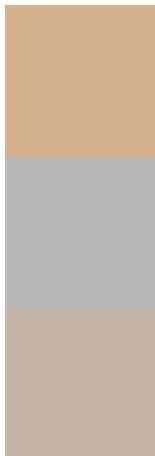
Deuteranomaly

49.6933, 48.9751, 32.8206

Tritanomaly

51.7895, 48.8964, 45.2364

Monochromacy



Original Color

49.3035, 49.0728, 32.8600

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.4221, 49.0536, 44.9991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3035, 49.0728, 32.8600 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(215, 180, 143)` looks like.

```
.text, #text, p{  
    color:rgb(215, 180, 143)  
}
```

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(215, 180, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 180, 143) }
```

Border

The CSS property to change the border of an element to XYZ 49.3035, 49.0728, 32.8600 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(215, 180, 143) }
```


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

```
.border{ border-color:rgb(215, 180, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 180, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 180, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 180, 143);  
box-shadow:4px 4px 4px 4px rgb(215, 180,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3035, 49.0728, 32.8600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 180, 143) }
```

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

```
.background{ background-color: rgb(215,  
180, 143) }
```

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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