

Converting Colors

XYZ(49.6065, 46.7692, 33.2013)

Have a look what the booklet for
XYZ(49.6065, 46.7692, 33.2013)
contains.

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Color

**XYZ(49.6822, 46.9215,
33.2263)**

Conversions

Conversions Part 1

Format	Color
Hex	DDAC91
RGB	221, 172, 145
RGB Percent	87%, 67%, 57%
CMY	0.1333, 0.3255, 0.4314
CMYK	0.00, 0.22, 0.34, 0.13
HSL	21°, 53%, 72%
HSV	21°, 34%, 87%
XYZ	49.6822, 46.9215, 33.2263
YIQ	183.5730, 37.8710, 1.9910

Conversions

Conversions Part 2

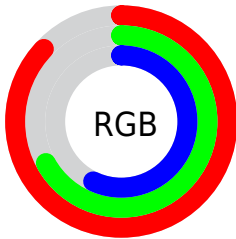
Format	Color
R _Y B	221, 187, 145
Decimal	14527633
CIE Lab	74.14, 14.24, 20.76
CIE LCh	74, 25.176, 55.561
Yxy	46.9215, 0.3827, 0.3614
Android (android.graphics.Color)	4292717713 (0xFFDDAC91)
YUV	183.5730, -19.0165, 32.8235
Hunter-Lab	68.4993, 9.5915, 19.1902

Details

The XYZ color **49.6822, 46.9215, 33.2263** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **44.0195, 49.8223, 75.7035**, and the grayscale version is **45.4124, 47.7773, 52.0295**.

A 20% lighter version of the original color is **79.0179, 80.3217, 65.3718**, and **24.0467, 22.1336, 13.5945** is the 20% darker color. If you saturate the color by 10%, you get **45.5735, 41.1710, 24.2514**, and if you desaturate by 10%, it is **54.4156, 53.3904, 44.0458**.

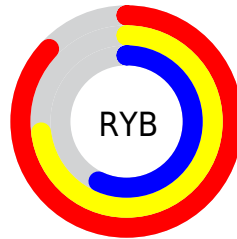
Distribution



Red (87%)

Green (67%)

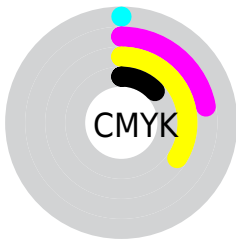
Blue (57%)



Red (87%)

Yellow (73%)

Blue (57%)

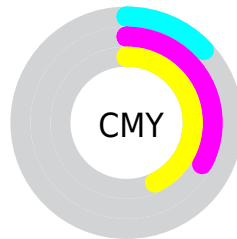


Cyan (0%)

Magenta (22%)

Yellow (34%)

Black (13%)



Cyan (13%)


Magenta (33%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6822, 46.9215, 33.2263 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 49.6822, 46.9215, 33.2263 by changing the saturation by 10% instead.


 49.6822, 46.9215,
33.2263


 49.6822, 46.9215,
33.2263


375.8944,
374.5011, 331.3315

 35.3777, 32.9736,
22.0273

 88.8985, 85.5964,
65.8488

 24.1219, 22.1062,
13.6785


 114.5410,
111.0923, 88.1093

 15.5493, 13.9350,
7.7612


144.6935,
141.2062, 114.8942

 9.2946, 8.0755,
3.8569

179.7215,
176.3226, 146.6218

 4.9925, 4.1433,
1.5472

219.9902,
216.8259, 183.7108

 2.2776, 1.7540,
0.2527

265.8650,

 0.7831, 0.4583,

263.1005, 226.5798

0.0000

317.7113,
315.5308, 275.6471

■ 0.0000, 0.0000,
0.0000

■ 49.6822, 46.9215,
33.2263

■ 49.6822, 46.9215,
33.2263

■ 45.5735, 41.1710,
24.2514

■ 54.4156, 53.3904,
44.0458

■ 42.0574, 36.1065,
17.0135

■ 59.7965, 60.5958,
56.8034

■ 39.1043, 31.7023,
11.3984

■ 65.8509, 68.5630,
71.5897

■ 36.6800, 27.9287,
7.2765

■ 72.6023, 77.3144,
88.4886

■ 34.7461, 24.7530,
4.4981

■ 79.9922, 86.8387,
107.1533

■ 33.2573, 22.1388,
2.8812

■ 83.6289, 94.1122,
108.3655

■ 32.5808, 20.8960,
2.3161

Harmonies

Analogous

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



52.8846, 46.9215, 41.1078



49.6822, 46.9215, 33.2263



45.2718, 46.9215, 30.1179

Triad

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



49.6822, 46.9215, 33.2263



36.5003, 46.9215, 49.1919



48.4437, 46.9215, 76.9212

Complementary

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



49.6822, 46.9215, 33.2263



44.0195, 49.8223, 75.7035

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.



43.9299, 46.9215, 80.0574



49.6822, 46.9215, 33.2263



37.2247, 46.9215, 62.5689

Square

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



49.6822, 46.9215, 33.2263



37.8227, 46.9215, 38.2952



39.8721, 46.9215, 74.4244



52.1365, 46.9215, 66.4566

Rectangle

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



49.6822, 46.9215, 33.2263



42.3119, 46.9215, 30.7092



39.8721, 46.9215, 74.4244



46.9639, 46.9215, 78.9353

Sweetspot

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



49.6834, 46.9237, 33.2272



86.1908, 88.4212, 87.0195



49.7272, 39.5365, 56.2856



18.1985, 18.5962, 18.0179



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.



49.6834, 46.9237, 33.2272



64.6790, 59.2718, 37.0762



57.8779, 63.3128, 35.9588



13.4327, 13.8048, 13.6822



19.0238, 12.3332, 1.3779



1.3121, 0.9583, 0.1158

Inverse Universe

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



44.0195, 49.8223, 75.7035



55.7435, 63.8125, 103.9868



36.6844, 35.1522, 73.2584



13.0354, 14.0105, 16.6694



13.3523, 14.5741, 41.8477



0.9452, 1.1044, 2.7378

Previews

White Background



This preview shows how the XYZ color 49.6822, 46.9215, 33.2263 looks on a white background.

Color Contrast Check

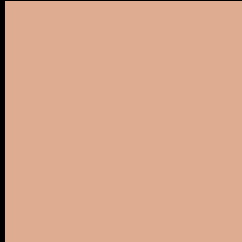
Large Text (above 18pt) WCAG AA × Fail

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 49.6822, 46.9215, 33.2263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

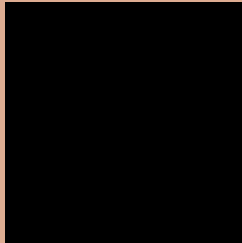
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6822, 46.9215, 33.2263

Background



This preview shows how black text looks on a background with the XYZ color 49.6822, 46.9215, 33.2263.



This preview shows how white text looks on a background with the XYZ color 49.6822, 46.9215,

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

49.6822, 46.9215, 33.2263

Protanopia

44.2253, 46.9954, 35.5943

Deuteranopia

47.8046, 46.8197, 32.9031



Tritanopia

53.1083, 46.9403, 49.4413

Trichromacy



Original Color

49.6822, 46.9215, 33.2263

Protanomaly

45.8943, 46.6754, 34.6073

Deuteranomaly

48.4890, 46.8847, 32.8796

Tritanomaly

51.9035, 47.0132, 42.8981

Monochromacy



Original Color

49.6822, 46.9215, 33.2263

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.6029, 47.4151, 44.7260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6822, 46.9215, 33.2263 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, 172, 145)` looks like.

```
.text, #text, p{  
    color:rgb(221, 172, 145)  
}
```

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, 172, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 172, 145) }
```

Border

The CSS property to change the border of an element to XYZ 49.6822, 46.9215, 33.2263 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, 172, 145) }
```


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

```
.border{ border-color:rgb(221, 172, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 172, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 172, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 172, 145);  
box-shadow:4px 4px 4px 4px rgb(221, 172,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6822, 46.9215, 33.2263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 172, 145) }
```

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

```
.background{ background-color: rgb(221,  
172, 145) }
```

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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