

Converting Colors

XYZ(48.6179, 46.2942, 31.1845)

Have a look what the booklet for
XYZ(48.6179, 46.2942, 31.1845)
contains.

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Color

**XYZ(48.6996, 46.4586,
31.2116)**

Conversions

Conversions Part 1

Format	Color
Hex	DBAC8C
RGB	219, 172, 140
RGB Percent	86%, 67%, 55%
CMY	0.1412, 0.3255, 0.4510
CMYK	0.00, 0.21, 0.36, 0.14
HSL	24°, 52%, 70%
HSV	24°, 36%, 86%
XYZ	48.6996, 46.4586, 31.2116
YIQ	182.4050, 38.2840, 0.0120

Conversions

Conversions Part 2

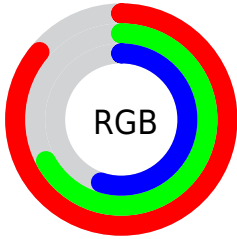
Format	Color
R _Y B	219, 194, 140
Decimal	14396556
CIE Lab	73.84, 12.85, 23.03
CIE LCh	74, 26.370, 60.845
Yxy	46.4586, 0.3854, 0.3676
Android (android.graphics.Color)	4292586636 (0xFFDBAC8C)
YUV	182.4050, -20.9057, 32.0938
Hunter-Lab	68.1605, 8.2544, 20.5627

Details

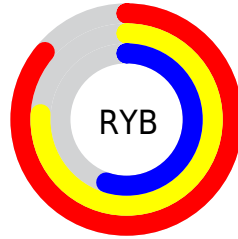
The XYZ color **48.6996, 46.4586, 31.2116** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **41.3711, 46.2290, 73.7605**, and the grayscale version is **44.7812, 47.1133, 51.3064**.

A 20% lighter version of the original color is **78.4467, 80.0932, 62.3639**, and **23.6662, 21.9577, 12.6638** is the 20% darker color. If you saturate the color by 10%, you get **44.8838, 41.1592, 22.7501**, and if you desaturate by 10%, it is **53.0823, 52.3772, 41.4486**.

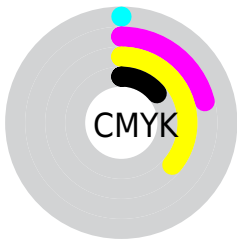
Distribution



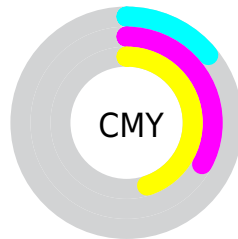
- Red (86%)
- Green (67%)
- Blue (55%)



- Red (86%)
- Yellow (76%)
- Blue (55%)



- Cyan (0%)
- Magenta (21%)
- Yellow (36%)
- Black (14%)





- Cyan (14%)
- Magenta (33%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6996, 46.4586, 31.2116 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 48.6996, 46.4586, 31.2116 by changing the saturation by 10% instead.


 48.6996, 46.4586,
31.2116


 48.6996, 46.4586,
31.2116


372.0951,
372.6493, 321.8933


 34.5948, 32.6079,
20.5002


 87.4485, 84.9049,
62.6565

 23.5160, 21.8262,
12.5715


 112.8234,
110.2693, 84.2272

 15.0977, 13.7293,
7.0069


 142.6856,
140.2403, 110.2546

 8.9748, 7.9326,
3.3879

177.4006,
175.2024, 141.1575

 4.7817, 4.0519,
1.2960

217.3337,
215.5400, 177.3542

 2.1532, 1.7026,
0.0585

262.8502,

 0.7179, 0.4253,

261.6374, 219.2634

0.0000

314.3156,
313.8790, 267.3036

■ 0.0000, 0.0000,
0.0000

■ 48.6996, 46.4586,
31.2116

■ 48.6996, 46.4586,
31.2116

■ 44.8838, 41.1592,
22.7501

■ 53.0823, 52.3772,
41.4486

■ 41.6052, 36.4507,
15.9579

■ 58.0525, 58.9286,
53.5531

■ 38.8366, 32.3123,
10.7219

■ 63.6342, 66.1346,
67.6140

■ 36.5462, 28.7192,
6.9136

■ 69.8489, 74.0136,
83.7137

■ 34.6981, 25.6440,
4.3831

■ 76.7168, 82.5832,
101.9300

■ 33.2490, 23.0557,
2.9448

■ 81.5027, 90.7586,
107.8302

■ 32.7627, 22.1587,
2.5503

■ 83.0235, 93.8001,
108.3372

Harmonies

Analogous

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



52.3641, 46.4586, 38.4618



48.6996, 46.4586, 31.2116



44.0245, 46.4586, 28.9009

Triad

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



48.6996, 46.4586, 31.2116



35.7378, 46.4586, 50.9676



48.9461, 46.4586, 76.1663

Complementary

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



48.6996, 46.4586, 31.2116



41.3711, 46.2290, 73.7605

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.



44.2907, 46.4586, 81.0646



48.6996, 46.4586, 31.2116



36.8566, 46.4586, 65.0216

Square

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



48.6996, 46.4586, 31.2116



36.7387, 46.4586, 39.0144



39.9070, 46.4586, 76.6681



52.5133, 46.4586, 64.2443

Rectangle

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



48.6996, 46.4586, 31.2116



41.0246, 46.4586, 30.0790



39.9070, 46.4586, 76.6681



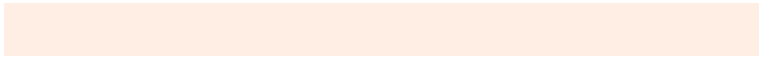
47.4460, 46.4586, 78.7746

Sweetspot

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



48.7008, 46.4608, 31.2125



85.7642, 88.1352, 85.1284



47.6044, 37.4217, 51.9530



18.1283, 18.5688, 17.6460



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.



48.7008, 46.4608, 31.2125



64.7419, 60.0433, 35.1070



57.2664, 63.5919, 34.0677



13.4869, 13.9132, 13.7003



19.5279, 13.3414, 1.5459



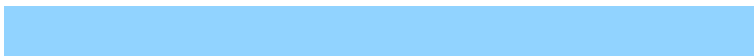
1.3483, 1.0307, 0.1279

Inverse Universe

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



41.3711, 46.2290, 73.7605



52.9784, 59.6508, 103.3292



34.1761, 31.8389, 71.3622



12.9795, 13.8987, 16.6508



12.4469, 12.7633, 41.5459



0.8901, 0.9944, 2.7195

Previews

White Background



This preview shows how the XYZ color 48.6996, 46.4586, 31.2116 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 48.6996, 46.4586, 31.2116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

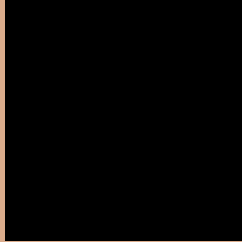
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.6996, 46.4586, 31.2116

Background



This preview shows how black text looks on a background with the XYZ color 48.6996, 46.4586, 31.2116.



This preview shows how white text looks on a background with the XYZ color 48.6996, 46.4586,

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

48.6996, 46.4586, 31.2116

Protanopia

43.5502, 46.3988, 33.0461

Deuteranopia

47.3102, 46.3117, 31.2565



Tritanopia

52.3868, 46.5801, 48.8776

Trichromacy



Original Color

48.6996, 46.4586, 31.2116

Protanomaly

45.2354, 46.3805, 32.5548

Deuteranomaly

47.7015, 46.2277, 31.2196

Tritanomaly

51.1037, 46.6221, 41.9028

Monochromacy



Original Color

48.6996, 46.4586, 31.2116

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.4011, 46.2329, 43.0902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6996, 46.4586, 31.2116 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, 172, 140)` looks like.

```
.text, #text, p{  
    color:rgb(219, 172, 140)  
}
```

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, 172, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 172, 140) }
```

Border

The CSS property to change the border of an element to XYZ 48.6996, 46.4586, 31.2116 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, 172, 140) }
```


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

```
.border{ border-color:rgb(219, 172, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 172, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 172, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 172, 140);  
box-shadow:4px 4px 4px 4px rgb(219, 172,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6996, 46.4586, 31.2116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 172, 140) }
```

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

```
.background{ background-color: rgb(219,  
172, 140) }
```

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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