

Converting Colors

XYZ(46.6779, 44.1948, 30.9746)

Have a look what the booklet for
XYZ(46.6779, 44.1948, 30.9746)
contains.

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Color

**XYZ(46.7606, 44.3458,
30.9060)**

Conversions

Conversions Part 1

Format	Color
Hex	D7A88C
RGB	215, 168, 140
RGB Percent	84%, 66%, 55%
CMY	0.1569, 0.3412, 0.4510
CMYK	0.00, 0.22, 0.35, 0.16
HSL	22°, 48%, 70%
HSV	22°, 35%, 84%
XYZ	46.7606, 44.3458, 30.9060
YIQ	178.8610, 37.0000, 1.2560

Conversions

Conversions Part 2

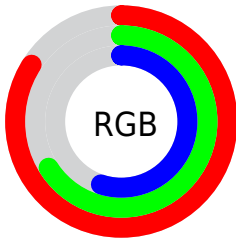
Format	Color
R _Y B	215, 185, 140
Decimal	14133388
CIE Lab	72.46, 13.43, 21.08
CIE LCh	72, 24.990, 57.502
Yxy	44.3458, 0.3832, 0.3635
Android (android.graphics.Color)	4292323468 (0xFFD7A88C)
YUV	178.8610, -19.1585, 31.6939
Hunter-Lab	66.5926, 8.8036, 19.0980

Details

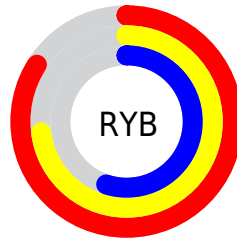
The XYZ color **46.7606, 44.3458, 30.9060** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **40.8507, 46.0208, 71.0199**, and the grayscale version is **42.8597, 45.0917, 49.1049**.

A 20% lighter version of the original color is **77.3653, 77.9304, 62.0034**, and **22.3889, 20.5999, 12.4690** is the 20% darker color. If you saturate the color by 10%, you get **42.9681, 39.0548, 22.5699**, and if you desaturate by 10%, it is **51.1229, 50.2803, 40.9611**.

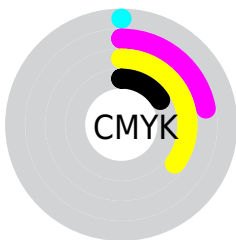
Distribution



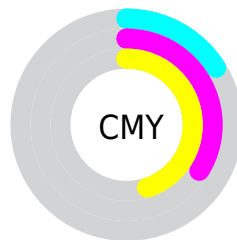
- Red (84%)
- Green (66%)
- Blue (55%)



- Red (84%)
- Yellow (73%)
- Blue (55%)



- Cyan (0%)
- Magenta (22%)
- Yellow (35%)
- Black (16%)





- Cyan (16%)
- Magenta (34%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7606, 44.3458, 30.9060 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 46.7606, 44.3458, 30.9060 by changing the saturation by 10% instead.


 46.7606, 44.3458,
30.9060

 46.7606, 44.3458,
30.9060


364.5230,
364.1175, 320.4428

 33.0536, 30.9425,
20.2694


 84.5771, 81.7378,
62.1699

 22.3269, 20.5550,
12.4050

 109.4173,
106.4953, 83.6343

 14.2153, 12.7991,
6.8943


 138.6992,
135.8063, 109.5450

 8.3532, 7.2904,
3.3186

172.7883,
170.0552, 140.3206

 4.3755, 3.6444,
1.2595

212.0499,
209.6263, 176.3797

 1.9167, 1.4767,
0.0283

256.8493,

 0.5865, 0.2722,

254.9042, 218.1407

0.0000

307.5519,
306.2731, 266.0222

■ 0.0000, 0.0000,
0.0000

■ 46.7606, 44.3458,
30.9060

■ 46.7606, 44.3458,
30.9060

■ 42.9681, 39.0548,
22.5699

■ 51.1229, 50.2803,
40.9611

■ 39.7160, 34.3781,
15.8520

■ 56.0756, 56.8737,
52.8228

■ 36.9773, 30.2934,
10.6453

■ 61.6425, 64.1484,
66.5756

■ 34.7208, 26.7746,
6.8282

■ 67.8451, 72.1242,
82.2981

■ 32.9113, 23.7928,
4.2604

■ 74.7035, 80.8198,
100.0645

■ 31.5070, 21.3158,
2.7704

■ 79.8999, 89.3181,
107.6367

■ 30.9135, 20.2255,
2.2746

■ 81.8344, 93.1871,
108.2815

Harmonies

Analogous

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



49.9359, 44.3458, 38.1333



46.7606, 44.3458, 30.9060



42.5116, 44.3458, 28.2427

Triad

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



46.7606, 44.3458, 30.9060



34.4001, 44.3458, 47.2579



46.0933, 44.3458, 72.5454

Complementary

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



46.7606, 44.3458, 30.9060



40.8507, 46.0208, 71.0199

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.



41.7891, 44.3458, 76.0904



46.7606, 44.3458, 30.9060



35.2175, 44.3458, 60.0953

Square

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



46.7606, 44.3458, 30.9060



35.5389, 44.3458, 36.6227



37.8517, 44.3458, 71.1968



49.5325, 44.3458, 62.1925

Rectangle

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



46.7606, 44.3458, 30.9060



39.7058, 44.3458, 29.0021



37.8517, 44.3458, 71.1968



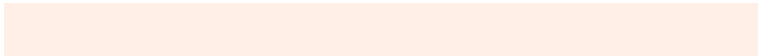
44.6911, 44.3458, 74.6423

Sweetspot

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



46.7617, 44.3479, 30.9069



86.3256, 88.6907, 87.0645



46.4260, 36.8130, 51.9539



18.2310, 18.6612, 18.0288



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.



46.7617, 44.3479, 30.9069



64.5372, 59.3146, 36.0229



54.5895, 60.0033, 33.5161



12.7993, 13.1729, 13.0287



18.5838, 12.2847, 1.3917



1.1991, 0.8973, 0.1100

Inverse Universe

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



40.8507, 46.0208, 71.0199



54.5475, 62.1123, 103.7216



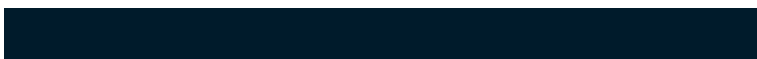
33.9878, 32.2950, 68.7322



12.3844, 13.2922, 15.8504



12.5999, 13.4615, 40.3874



0.8382, 0.9684, 2.4620

Previews

White Background



This preview shows how the XYZ color 46.7606, 44.3458, 30.9060 looks on a white background.

Color Contrast Check

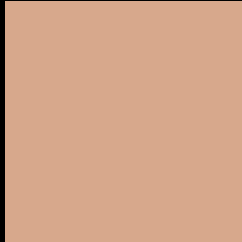
Large Text (above 18pt) WCAG AA × Fail

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 46.7606, 44.3458, 30.9060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

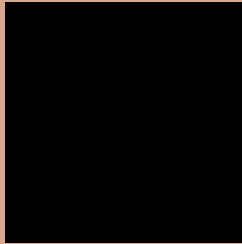
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.7606, 44.3458, 30.9060

Background



This preview shows how black text looks on a background with the XYZ color 46.7606, 44.3458, 30.9060.



This preview shows how white text looks on a background with the XYZ color 46.7606, 44.3458,

30.9060.

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

46.7606, 44.3458, 30.9060

Protanopia

42.0175, 44.7039, 33.2022

Deuteranopia

45.2355, 44.3998, 30.6119



Tritanopia

50.1471, 44.3890, 46.9992

Trichromacy



Original Color

46.7606, 44.3458, 30.9060

Protanomaly

43.3827, 44.2610, 32.2433

Deuteranomaly

45.8989, 44.4624, 30.5891

Tritanomaly

48.9794, 44.4600, 40.6505

Monochromacy



Original Color

46.7606, 44.3458, 30.9060

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

43.8597, 44.5830, 41.8910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7606, 44.3458, 30.9060 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, 168, 140)` looks like.

```
.text, #text, p{  
    color:rgb(215, 168, 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(215, 168, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 168, 140) }
```

Border

The CSS property to change the border of an element to XYZ 46.7606, 44.3458, 30.9060 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, 168, 140) }
```


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

```
.border{ border-color:rgb(215, 168, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 168, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 168, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 168, 140);  
box-shadow:4px 4px 4px 4px rgb(215, 168,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7606, 44.3458, 30.9060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 168, 140) }
```

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

```
.background{ background-color: rgb(215,  
168, 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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