

Converting Colors

XYZ(47.8845, 45.2996, 30.5388)

Have a look what the booklet for
XYZ(47.8845, 45.2996, 30.5388)
contains.

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Color

**XYZ(47.7616, 45.1454,
30.6227)**

Conversions

Conversions Part 1

Format	Color
Hex	DAA98B
RGB	218, 169, 139
RGB Percent	85%, 66%, 55%
CMY	0.1451, 0.3372, 0.4549
CMYK	0.00, 0.22, 0.36, 0.15
HSL	23°, 52%, 70%
HSV	23°, 36%, 85%
XYZ	47.7616, 45.1454, 30.6227
YIQ	180.2310, 38.8340, 1.0580

Conversions

Conversions Part 2

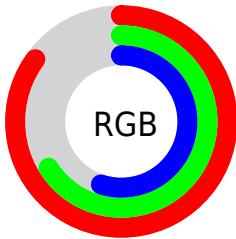
Format	Color
R _Y B	218, 187, 139
Decimal	14330251
CIE Lab	72.99, 13.94, 22.39
CIE LCh	73, 26.378, 58.085
Yxy	45.1454, 0.3866, 0.3655
Android (android.graphics.Color)	4292520331 (0xFFDAA98B)
YUV	180.2310, -20.3269, 33.1234
Hunter-Lab	67.1903, 9.3019, 20.0112

Details

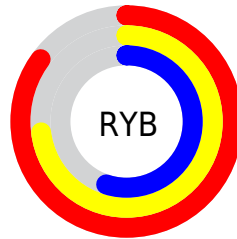
The XYZ color **47.7616, 45.1454, 30.6227** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **41.2850, 46.5158, 73.1322**, and the grayscale version is **43.5987, 45.8692, 49.9515**.

A 20% lighter version of the original color is **77.5213, 78.4216, 61.5031**, and **23.0648, 21.1252, 12.3131** is the 20% darker color. If you saturate the color by 10%, you get **43.9385, 39.7991, 22.2579**, and if you desaturate by 10%, it is **52.1648, 51.1433, 40.7487**.

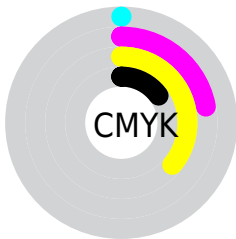
Distribution



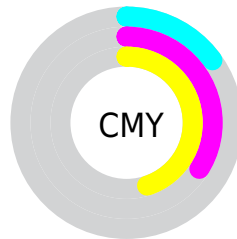
- Red (85%)
- Green (66%)
- Blue (55%)



- Red (85%)
- Yellow (73%)
- Blue (55%)



- Cyan (0%)
- Magenta (22%)
- Yellow (36%)
- Black (15%)





- Cyan (15%)
- Magenta (34%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7616, 45.1454, 30.6227 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 47.7616, 45.1454, 30.6227 by changing the saturation by 10% instead.


 47.7616, 45.1454,
30.6227


 47.7616, 45.1454,
30.6227


368.4447,
367.3621, 319.0935


 33.8486, 31.5720,
20.0557

 86.0612, 82.9386,
61.7182

 22.9396, 21.0348,
12.2510

 111.1785,
107.9271, 83.0837

 14.6694, 13.1494,
6.7903


 140.7613,
137.4894, 108.8857

 8.6725, 7.5315,
3.2548

175.1749,
172.0099, 139.5429

 4.5836, 3.7967,
1.2262

214.7847,
211.8731, 175.4737

 2.0373, 1.5605,
0.0001

259.9560,

 0.6548, 0.3307,

257.4632, 217.0967

0.0000

311.0542,
309.1648, 264.8305

■ 0.0000, 0.0000,
0.0000

■ 47.7616, 45.1454,
30.6227

■ 47.7616, 45.1454,
30.6227

■ 43.9385, 39.7991,
22.2579

■ 52.1648, 51.1433,
40.7487

■ 40.6651, 35.0746,
15.5492

■ 57.1696, 57.8084,
52.7275

■ 37.9134, 30.9491,
10.3839

■ 62.8004, 65.1637,
66.6474

■ 35.6510, 27.3958,
6.6343

■ 69.0794, 73.2291,
82.5903

■ 33.8408, 24.3852,
4.1516

■ 76.0274, 82.0238,
100.6332

■ 32.4386, 21.8838,
2.7498

■ 81.1886, 90.5756,
107.8115

■ 31.9912, 21.0610,
2.3791

■ 82.7235, 93.6454,
108.3231

Harmonies

Analogous

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



51.2031, 45.1454, 38.1597



47.7616, 45.1454, 30.6227



43.2058, 45.1454, 27.9211

Triad

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



47.7616, 45.1454, 30.6227



34.6558, 45.1454, 48.3134



47.2134, 45.1454, 75.0881

Complementary

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



47.7616, 45.1454, 30.6227



41.2850, 46.5158, 73.1322

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.



42.6142, 45.1454, 79.0984



47.7616, 45.1454, 30.6227



35.5634, 45.1454, 62.0838

Square

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



47.7616, 45.1454, 30.6227



35.8250, 45.1454, 36.9337



38.3974, 45.1454, 73.9700



50.8710, 45.1454, 63.8141

Rectangle

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



47.7616, 45.1454, 30.6227



40.2195, 45.1454, 28.7791



38.3974, 45.1454, 73.9700



45.7166, 45.1454, 77.4100

Sweetspot

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



47.7628, 45.1475, 30.6236



85.5575, 87.7217, 85.0595



47.3353, 37.0467, 52.8193



18.0792, 18.4705, 17.6296



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.



47.7628, 45.1475, 30.6236



64.1473, 58.8539, 34.9088



55.9999, 61.6218, 33.3693



13.4593, 13.8580, 13.6911



19.2621, 12.8098, 1.4573



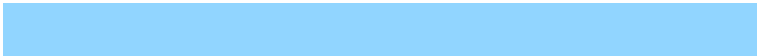
1.3294, 0.9930, 0.1216

Inverse Universe

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



41.2850, 46.5158, 73.1322



53.6723, 61.0386, 103.5605



34.1348, 32.2155, 70.7488



13.0079, 13.9554, 16.6602



12.8960, 13.6614, 41.6956



0.9176, 1.0493, 2.7286

Previews

White Background



This preview shows how the XYZ color 47.7616, 45.1454, 30.6227 looks on a white background.

Color Contrast Check

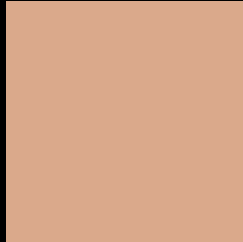
Large Text (above 18pt) WCAG AA × Fail

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 47.7616, 45.1454, 30.6227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

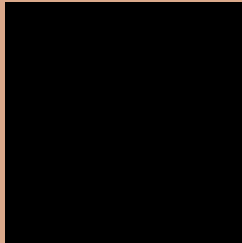
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.7616, 45.1454, 30.6227

Background



This preview shows how black text looks on a background with the XYZ color 47.7616, 45.1454, 30.6227.



This preview shows how white text looks on a background with the XYZ color 47.7616, 45.1454,

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

47.7616, 45.1454, 30.6227

Protanopia

42.6400, 45.3302, 32.8878

Deuteranopia

45.9183, 45.0417, 30.3185



Tritanopia

51.2361, 45.2151, 47.1012

Trichromacy



Original Color

47.7616, 45.1454, 30.6227

Protanomaly

44.2999, 45.0304, 31.9481

Deuteranomaly

46.5909, 45.1069, 30.2957

Tritanomaly

50.0659, 45.2889, 40.7532

Monochromacy



Original Color

47.7616, 45.1454, 30.6227

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

44.5650, 45.2366, 41.9800

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7616, 45.1454, 30.6227 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(218, 169, 139)` looks like.

```
.text, #text, p{  
    color:rgb(218, 169, 139)  
}
```

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(218, 169, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 169, 139) }
```

Border

The CSS property to change the border of an element to XYZ 47.7616, 45.1454, 30.6227 is called "border". The border property can be set on classes, ids or directly on the HTML element.

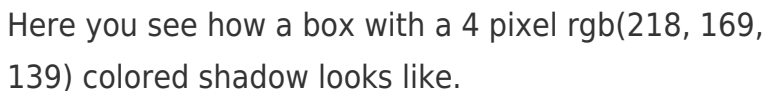
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(218, 169, 139) }
```


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

```
.border{ border-color:rgb(218, 169, 139) }
```

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



Here you see how a box with a 4 pixel `rgb(218, 169, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 169, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 169, 139); box-shadow:4px 4px 4px 4px rgb(218, 169, 139) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7616, 45.1454, 30.6227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 169, 139) }
```

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

```
.background{ background-color: rgb(218,  
169, 139) }
```

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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