

Converting Colors

XYZ(49.3566, 46.5308, 30.3724)

Have a look what the booklet for
XYZ(49.3566, 46.5308, 30.3724)
contains.

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Color

**XYZ(49.2746, 46.4904,
30.4212)**

Conversions

Conversions Part 1

Format	Color
Hex	DEAB8A
RGB	222, 171, 138
RGB Percent	87%, 67%, 54%
CMY	0.1294, 0.3294, 0.4588
CMYK	0.00, 0.23, 0.38, 0.13
HSL	24°, 56%, 71%
HSV	24°, 38%, 87%
XYZ	49.2746, 46.4904, 30.4212
YIQ	182.4870, 40.9890, 0.5490

Conversions

Conversions Part 2

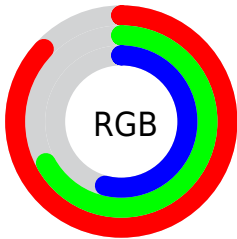
Format	Color
R_{YB}	222, 192, 138
Decimal	14592906
CIE _{Lab}	73.86, 14.33, 24.19
CIE _{LCh}	74, 28.112, 59.360
Yxy	46.4904, 0.3905, 0.3684
Android (android.graphics.Color)	4292782986 (0xFFDEAB8A)
YUV	182.4870, -21.9321, 34.6529
Hunter-Lab	68.1839, 9.6753, 21.2756

Details

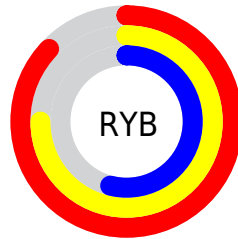
The XYZ color **49.2746, 46.4904, 30.4212** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **41.8630, 47.0708, 75.9865**, and the grayscale version is **44.8304, 47.1651, 51.3628**.

A 20% lighter version of the original color is **77.9508, 79.4585, 61.0977**, and **23.8753, 21.8976, 12.2008** is the 20% darker color. If you saturate the color by 10%, you get **45.4117, 41.0791, 21.9981**, and if you desaturate by 10%, it is **53.7281, 52.5567, 40.6628**.

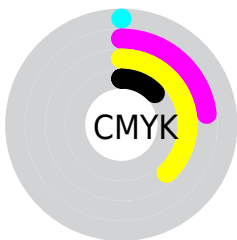
Distribution



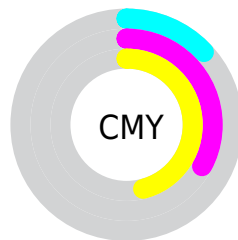
- Red (87%)
- Green (67%)
- Blue (54%)



- Red (87%)
- Yellow (75%)
- Blue (54%)



- Cyan (0%)
- Magenta (23%)
- Yellow (38%)
- Black (13%)





- Cyan (13%)
- Magenta (33%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2746, 46.4904, 30.4212 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 49.2746, 46.4904, 30.4212 by changing the saturation by 10% instead.


 49.2746, 46.4904,
30.4212


 49.2746, 46.4904,
30.4212


374.3214,
372.7767, 318.1311


 35.0528, 32.6330,
19.9038


 88.2974, 84.9524,
61.3965

 23.8702, 21.8454,
12.1417


 113.8292,
110.3259, 82.6914

 15.3616, 13.7434,
6.7166


 143.8616,
140.3067, 108.4160

 9.1615, 7.9424,
3.2097

178.7600,
175.2795, 138.9886

 4.9046, 4.0581,
1.2027

218.8899,
215.6284, 174.8279

 2.2256, 1.7061,
0.0000

264.6165,

 0.7562, 0.4276,

261.7380, 216.3523

0.0000

316.3052,
313.9927, 263.9806

■ 0.0000, 0.0000,
0.0000

■ 49.2746, 46.4904,
30.4212

■ 49.2746, 46.4904,
30.4212

■ 45.4117, 41.0791,
21.9981

■ 53.7281, 52.5567,
40.6628

■ 42.1078, 36.2926,
15.2820

■ 58.7943, 59.2937,
52.8198

■ 39.3337, 32.1080,
10.1533

■ 64.4988, 66.7245,
66.9853

■ 37.0554, 28.4981,
6.4757

■ 70.8642, 74.8692,
83.2457

■ 35.2342, 25.4329,
4.0890

■ 77.9123, 83.7470,
101.6821

■ 33.8187, 22.8764,
2.7710

■ 82.9437, 92.2886,
108.0496

■ 33.5509, 22.3828,
2.5520

■ 83.9343, 94.2696,
108.3798

Harmonies

Analogous

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



53.1147, 46.4904, 38.2765



49.2746, 46.4904, 30.4212



44.2952, 46.4904, 27.7643

Triad

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



49.2746, 46.4904, 30.4212



35.2485, 46.4904, 50.3132



49.0748, 46.4904, 78.6329

Complementary

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



49.2746, 46.4904, 30.4212



41.8630, 47.0708, 75.9865

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.



44.0804, 46.4904, 83.4739



49.2746, 46.4904, 30.4212



36.3216, 46.4904, 65.3675

Square

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



49.2746, 46.4904, 30.4212



36.4160, 46.4904, 37.8360



39.4636, 46.4904, 78.2211



52.9933, 46.4904, 66.0013

Rectangle

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



49.2746, 46.4904, 30.4212



41.0744, 46.4904, 28.8203



39.4636, 46.4904, 78.2211



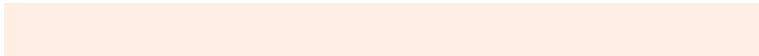
47.4546, 46.4904, 81.3202

Sweetspot

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



49.2758, 46.4926, 30.4221



85.6644, 87.9356, 85.0951



48.4854, 37.4160, 53.2676



18.1046, 18.5213, 17.6380



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.



49.2758, 46.4926, 30.4221



63.4116, 57.9999, 32.7606



58.3054, 64.5518, 33.4320



14.1468, 14.5795, 14.3753



20.0295, 13.4969, 1.5495



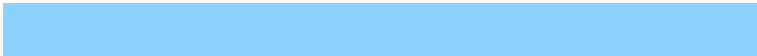
1.4737, 1.1064, 0.1359

Inverse Universe

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



41.8630, 47.0708, 75.9865



51.9326, 58.8675, 103.2332



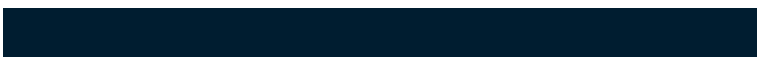
34.2251, 31.7948, 73.4405



13.6410, 14.6211, 17.4909



13.0701, 13.6098, 42.9865



0.9924, 1.1163, 3.0084

Previews

White Background



This preview shows how the XYZ color 49.2746, 46.4904, 30.4212 looks on a white background.

Color Contrast Check

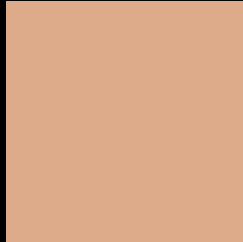
Large Text (above 18pt) WCAG AA × Fail

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 49.2746, 46.4904, 30.4212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

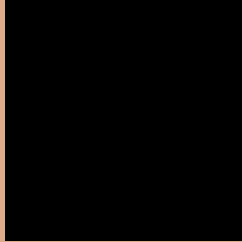
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.2746, 46.4904, 30.4212

Background



This preview shows how black text looks on a background with the XYZ color 49.2746, 46.4904, 30.4212.



This preview shows how white text looks on a background with the XYZ color 49.2746, 46.4904,

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

49.2746, 46.4904, 30.4212

Protanopia

43.9340, 46.9084, 32.7253

Deuteranopia

47.3830, 46.3744, 30.1207



Tritanopia

52.8550, 46.2934, 48.2692

Trichromacy



Original Color

49.2746, 46.4904, 30.4212

Protanomaly

45.6300, 46.6012, 31.7893

Deuteranomaly

48.0742, 46.4450, 30.0979

Tritanomaly

51.4809, 46.2893, 40.8717

Monochromacy



Original Color

49.2746, 46.4904, 30.4212

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.8293, 46.4643, 42.6294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2746, 46.4904, 30.4212 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(222, 171, 138)` looks like.

```
.text, #text, p{  
    color:rgb(222, 171, 138)  
}
```

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(222, 171, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 171, 138) }
```

Border

The CSS property to change the border of an element to XYZ 49.2746, 46.4904, 30.4212 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(222, 171, 138) }
```


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

```
.border{ border-color:rgb(222, 171, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 171, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 171, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 171, 138);  
box-shadow:4px 4px 4px 4px rgb(222, 171,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2746, 46.4904, 30.4212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 171, 138) }
```

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

```
.background{ background-color: rgb(222,  
171, 138) }
```

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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