

Converting Colors

XYZ(46.4831, 45.2686, 20.4751)

Have a look what the booklet for
XYZ(46.4831, 45.2686, 20.4751)
contains.

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Color

**XYZ(46.4831, 45.2686,
20.4751)**

Conversions

Conversions Part 1

Format	Color
Hex	DBAB6C
RGB	219, 171, 108
RGB Percent	86%, 67%, 42%
CMY	0.1412, 0.3294, 0.5765
CMYK	0.00, 0.22, 0.51, 0.14
HSL	34°, 61%, 64%
HSV	34°, 51%, 86%
XYZ	46.4831, 45.2686, 20.4751
YIQ	178.1700, 48.8310, -9.4170

Conversions

Conversions Part 2

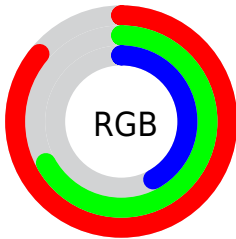
Format	Color
RYB	193, 219, 108
Decimal	14396268
CIELab	73.07, 10.02, 38.98
CIELCh	73, 40.250, 75.589
Yxy	45.2686, 0.4142, 0.4034
Android (android.graphics.Color)	4292586348 (0xFFDBAB6C)
YUV	178.1700, -34.5938, 35.8079
Hunter-Lab	67.2819, 5.5770, 29.0544

Details

The XYZ color **46.4831, 45.2686, 20.4751** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **30.8584, 32.0782, 71.5829**, and the grayscale version is **42.5672, 44.7841, 48.7698**.

A 20% lighter version of the original color is **74.7815, 78.1908, 44.4086**, and **22.0842, 21.0865, 7.0438** is the 20% darker color. If you saturate the color by 10%, you get **43.7360, 41.4112, 14.5136**, and if you desaturate by 10%, it is **49.6533, 49.5037, 28.0227**.

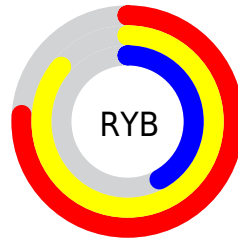
Distribution



Red (86%)

Green (67%)

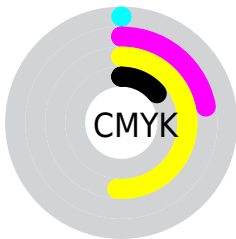
Blue (42%)



Red (76%)

Yellow (86%)

Blue (42%)

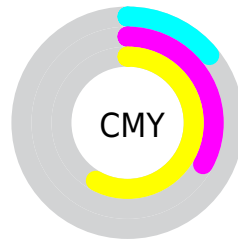


Cyan (0%)

Magenta (22%)

Yellow (51%)

Black (14%)



Cyan (14%)


Magenta (33%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4831, 45.2686, 20.4751 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 46.4831, 45.2686, 20.4751 by changing the saturation by 10% instead.


 46.4831, 45.2686,
20.4751

 46.4831, 45.2686,
20.4751


363.4309,
367.8603, 267.1644

 32.8334, 31.6690,
12.5534


 84.1650, 83.1233,
45.0817


 22.1575, 21.1088,
6.9946


 108.9279,
108.1473, 62.6036

 14.0899, 13.2036,
3.3803


 138.1260,
137.7482, 84.1627

 8.2654, 7.5689,
1.2920

 172.1246,
172.3104, 110.1775

 4.3184, 3.8203,
0.0552

211.2890,
212.2183, 141.0666

 1.8838, 1.5736,
0.0000

255.9846,

 0.5674, 0.3397,

257.8563, 177.2483

0.0000

306.5768,
309.6089, 219.1415

■ 0.0000, 0.0000,
0.0000

■ 46.4831, 45.2686,
20.4751

■ 46.4831, 45.2686,
20.4751

■ 43.7360, 41.4112,
14.5136

■ 49.6533, 49.5037,
28.0227

■ 41.3837, 37.9108,
10.0170

■ 53.2660, 54.1233,
37.2601

■ 39.3989, 34.7538,
6.8505

■ 57.3429, 59.1418,
48.2853

■ 37.7484, 31.9223,
4.8528

■ 61.9035, 64.5708,
61.1879

■ 36.4596, 29.5525,
3.7826

■ 66.9658, 70.4215,
76.0515

■ 72.5470, 76.7042,
92.9545

■ 77.6317, 83.0167,
106.5399

■ 80.4506, 88.6546,
107.4796

■ 83.0233, 93.8000,
108.3372

Harmonies

Analogous

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



53.2085, 45.2686, 26.4643



46.4831, 45.2686, 20.4751



39.4912, 45.2686, 20.5901

Triad

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



46.4831, 45.2686, 20.4751



31.2635, 45.2686, 60.4559



53.4355, 45.2686, 81.6909

Complementary

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



46.4831, 45.2686, 20.4751



30.8584, 32.0782, 71.5829

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.



46.7666, 45.2686, 96.8389



46.4831, 45.2686, 20.4751



34.2340, 45.2686, 82.4824

Square

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



46.4831, 45.2686, 20.4751



31.2053, 45.2686, 40.2596



39.7456, 45.2686, 97.1627



57.5094, 45.2686, 59.5784

Rectangle

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



46.4831, 45.2686, 20.4751



35.6216, 45.2686, 24.0127



39.7456, 45.2686, 97.1627



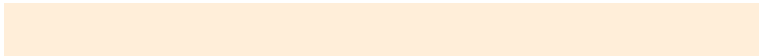
51.3924, 45.2686, 88.0026

Sweetspot

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



46.4842, 45.2708, 20.4760



84.4409, 87.6748, 77.9477



40.5854, 28.1892, 34.7993



17.7825, 18.4186, 15.8616



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.



46.4842, 45.2708, 20.4760



61.4420, 58.0260, 19.8793



55.0745, 65.6833, 23.9633



13.6663, 14.2720, 13.7601



21.7297, 17.7449, 2.2798



1.4928, 1.3197, 0.1760

Inverse Universe

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



30.8584, 32.0782, 71.5829



37.0101, 37.4285, 99.8815



25.2721, 19.5121, 69.4518



12.7994, 13.5386, 16.5907



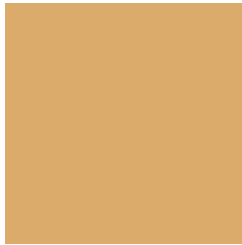
10.0960, 8.0615, 40.7623



0.7386, 0.6914, 2.6690

Previews

White Background



This preview shows how the XYZ color 46.4831, 45.2686, 20.4751 looks on a white background.

Color Contrast Check

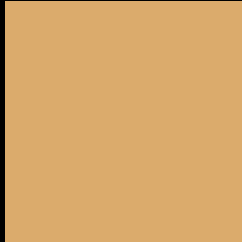
Large Text (above 18pt) WCAG AA × Fail

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 46.4831, 45.2686, 20.4751 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 46.4831, 45.2686, 20.4751

Background



This preview shows how black text looks on a background with the XYZ color 46.4831, 45.2686, 20.4751.



This preview shows how white text looks on a background with the XYZ color 46.4831, 45.2686,

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

46.4831, 45.2686, 20.4751

Protanopia

41.9555, 45.5260, 21.6150

Deuteranopia

46.1831, 45.1140, 20.4611



Tritanopia

51.8864, 45.2971, 46.5659

Trichromacy



Original Color

46.4831, 45.2686, 20.4751

Protanomaly

43.4385, 45.4074, 21.2269

Deuteranomaly

46.1831, 45.1140, 20.4611

Tritanomaly

49.6536, 45.1948, 35.3846

Monochromacy



Original Color

46.4831, 45.2686, 20.4751

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

43.0721, 44.2973, 36.4171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4831, 45.2686, 20.4751 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, 171, 108)` looks like.

```
.text, #text, p{  
    color:rgb(219, 171, 108)  
}
```

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, 171, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 171, 108) }
```

Border

The CSS property to change the border of an element to XYZ 46.4831, 45.2686, 20.4751 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, 171, 108) }
```


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

```
.border{ border-color:rgb(219, 171, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 171, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 171, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 171, 108);  
box-shadow:4px 4px 4px 4px rgb(219, 171,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4831, 45.2686, 20.4751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 171, 108) }
```

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

```
.background{ background-color: rgb(219,  
171, 108) }
```

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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