

# Converting Colors

XYZ(45.6124, 43.6590, 21.0172)

Have a look what the booklet for  
XYZ(45.6124, 43.6590, 21.0172)  
contains.

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# Color

**XYZ(45.6014, 43.6906,  
21.0686)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAA76F
RGB	218, 167, 111
RGB Percent	85%, 65%, 44%
CMY	0.1451, 0.3451, 0.5647
CMYK	0.00, 0.23, 0.49, 0.15
HSL	31°, 59%, 65%
HSV	31°, 49%, 85%
XYZ	45.6014, 43.6906, 21.0686
YIQ	175.8650, 48.3720, -6.6040

# Conversions

## Conversions Part 2

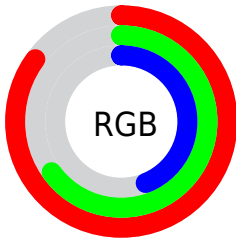
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	208, 218, 111
Decimal	14329711
CIE <sub>Lab</sub>	72.02, 12.02, 36.08
CIE <sub>LCh</sub>	72, 38.032, 71.569
Yxy	43.6906, 0.4132, 0.3959
Android (android.graphics.Color)	4292519791 (0xFFDAA76F)
YUV	175.8650, -31.9784, 36.9524
Hunter-Lab	66.0989, 7.4736, 27.3709

# Details

The XYZ color **45.6014, 43.6906, 21.0686** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.1301, 34.2806, 71.2528**, and the grayscale version is **41.3412, 43.4941, 47.3651**.

A 20% lighter version of the original color is **73.9721, 76.1469, 45.4494**, and **21.6982, 20.1863, 7.3102** is the 20% darker color. If you saturate the color by 10%, you get **42.7171, 39.6144, 14.8906**, and if you desaturate by 10%, it is **48.9336, 48.1941, 28.8419**.

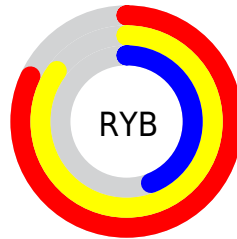
# Distribution



Red (85%)

Green (65%)

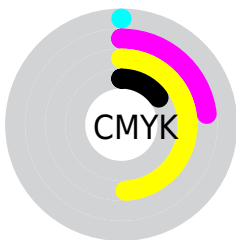
Blue (44%)



Red (82%)

Yellow (85%)

Blue (44%)

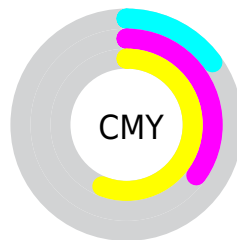


Cyan (0%)

Magenta (23%)

Yellow (49%)

Black (15%)



Cyan (15%)

Magenta (35%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6014, 43.6906, 21.0686 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 45.6014, 43.6906, 21.0686 by changing the saturation by 10% instead.




 45.6014, 43.6906,  
21.0686

 45.6014, 43.6906,  
21.0686


359.9467,  
361.4442, 270.4359

 32.1347, 30.4273,  
12.9824


 82.8537, 80.7520,  
46.0839


 21.6204, 20.1632,  
7.2859


 107.3699,  
105.3189, 63.8502

 13.6933, 12.5137,  
3.5604


 136.3001,  
134.4224, 85.6802

 7.9879, 7.0946,  
1.3874

 170.0095,  
168.4471, 111.9926

 4.1390, 3.5213,  
0.1319

208.8635,  
207.7772, 143.2058

 1.7811, 1.4096,  
0.0000

253.2274,

 0.5062, 0.2238,

252.7971, 179.7383

0.0000

303.4667,  
303.8914, 222.0089

■ 0.0000, 0.0000,  
0.0000

■ 45.6014, 43.6906,  
21.0686

■ 45.6014, 43.6906,  
21.0686

■ 42.7171, 39.6144,  
14.8906

■ 48.9336, 48.1941,  
28.8419

■ 40.2524, 35.9432,  
10.1898

■ 52.7336, 53.1332,  
38.3116

■ 38.1799, 32.6620,  
6.8359


■ 57.0236, 58.5239,  
49.5737


■ 36.4666, 29.7513,  
4.6740


■ 61.8233, 64.3792,  
62.7161


■ 35.0617, 27.1845,  
3.4567


■ 67.1512, 70.7116,  
77.8207

 34.9424, 26.9635,  
3.3628

 73.0249, 77.5330,  
94.9648

 78.0448, 84.2884,  
106.7636

 81.1870, 90.5727,  
107.8110

 82.7233, 93.6454,  
108.3231

# Harmonies

## Analogous

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



51.5880, 43.6906, 27.5679



45.6014, 43.6906, 21.0686



39.0721, 43.6906, 20.4314

# Triad

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



45.6014, 43.6906, 21.0686



30.4542, 43.6906, 55.1108



50.3762, 43.6906, 79.6604

# Complementary

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



45.6014, 43.6906, 21.0686



32.1301, 34.2806, 71.2528

# 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.



44.0818, 43.6906, 91.9171



45.6014, 43.6906, 21.0686



32.8666, 43.6906, 75.4676

# Square

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



45.6014, 43.6906, 21.0686



30.7699, 43.6906, 37.1362



37.7021, 43.6906, 90.2090



54.5367, 43.6906, 59.7990



# Rectangle

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



45.6014, 43.6906, 21.0686



35.3258, 43.6906, 23.1425



37.7021, 43.6906, 90.2090



48.4136, 43.6906, 85.0138

# Sweetspot

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



45.6025, 43.6927, 21.0695



83.9497, 86.6924, 77.7840



41.1835, 28.9089, 37.9271



17.6642, 18.1820, 15.8221



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.



45.6025, 43.6927, 21.0695



60.7617, 56.2606, 20.9005



56.3235, 65.9222, 24.7951



13.6172, 14.1737, 13.7437



21.0428, 16.3711, 2.0509



1.4494, 1.2328, 0.1616



# Inverse Universe

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



32.1301, 34.2806, 71.2528



39.3978, 41.3458, 100.5118



25.1219, 19.9277, 68.8518



12.8480, 13.6358, 16.6069



10.6474, 9.1642, 40.9461



0.7757, 0.7655, 2.6813



# Previews

## White Background



This preview shows how the XYZ color 45.6014, 43.6906, 21.0686 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

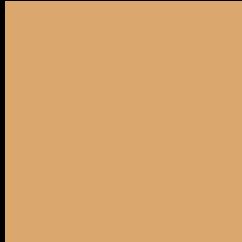
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.6014, 43.6906, 21.0686 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

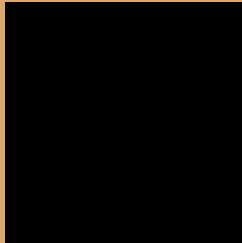
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 45.6014, 43.6906, 21.0686**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.6014, 43.6906, 21.0686.



This preview shows how white text looks on a background with the XYZ color 45.6014, 43.6906,



# 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

45.6014, 43.6906, 21.0686

### Protanopia

40.5549, 43.8886, 22.5535

### Deuteranopia

44.7888, 43.8198, 21.1364



## Tritanopia

50.2760, 43.4628, 44.7691

# Trichromacy



## Original Color

45.6014, 43.6906, 21.0686

## Protanomaly

42.0682, 43.5196, 22.1025

## Deuteranomaly

44.8962, 43.6000, 21.0883

## Tritanomaly

48.2441, 43.4148, 34.6913

# Monochromacy



## Original Color

45.6014, 43.6906, 21.0686

## Achromatopsia

41.2663, 43.4154, 47.2793

## Achromatomaly

42.0969, 43.2305, 35.8313

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.6014, 43.6906, 21.0686 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, 167, 111)` looks like.

```
.text, #text, p{  
    color:rgb(218, 167, 111)  
}
```

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, 167, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 167, 111) }
```

## Border

The CSS property to change the border of an element to XYZ 45.6014, 43.6906, 21.0686 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, 167, 111) }
```



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

```
.border{ border-color:rgb(218, 167, 111) }
```

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

Here you see how a box with a 4 pixel rgb(218, 167, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 167, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 167, 111);  
box-shadow:4px 4px 4px 4px rgb(218, 167,  
111) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.6014, 43.6906, 21.0686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 167, 111) }
```

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

```
.background{ background-color: rgb(218,  
167, 111) }
```

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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