

# Converting Colors

XYZ(47.3081, 46.7587, 34.1688)

Have a look what the booklet for  
XYZ(47.3081, 46.7587, 34.1688)  
contains.

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# Color

**XYZ(47.3701, 46.8589,  
34.1518)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D2B093
RGB	210, 176, 147
RGB Percent	82%, 69%, 58%
CMY	0.1765, 0.3098, 0.4235
CMYK	0.00, 0.16, 0.30, 0.18
HSL	28°, 41%, 70%
HSV	28°, 30%, 82%
XYZ	47.3701, 46.8589, 34.1518
YIQ	182.8600, 29.5730, -1.8110

# Conversions

## Conversions Part 2

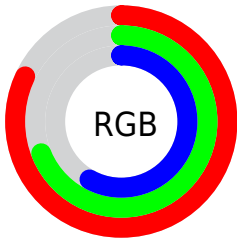
Format	Color
R <sub>Y</sub> B	210, 201, 147
Decimal	13807763
CIE Lab	74.10, 8.06, 19.46
CIE LCh	74, 21.060, 67.489
Yxy	46.8589, 0.3690, 0.3650
Android (android.graphics.Color)	4291997843 (0xFFD2B093)
YUV	182.8600, -17.6790, 23.8018
Hunter-Lab	68.4536, 3.7289, 18.3374

# Details

The XYZ color **47.3701, 46.8589, 34.1518** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **40.1889, 43.9025, 67.3286**, and the grayscale version is **45.0165, 47.3609, 51.5760**.

A 20% lighter version of the original color is **80.6392, 83.1903, 67.0655**, and **22.8365, 22.2284, 14.1532** is the 20% darker color. If you saturate the color by 10%, you get **43.7407, 42.0007, 25.5408**, and if you desaturate by 10%, it is **51.4883, 52.2128, 44.4109**.

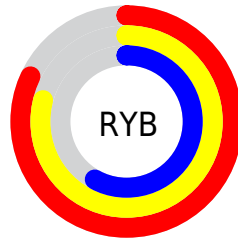
# Distribution



Red (82%)

Green (69%)

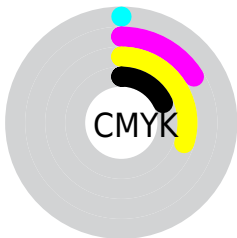
Blue (58%)



Red (82%)

Yellow (79%)

Blue (58%)

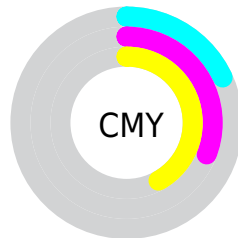


Cyan (0%)

Magenta (16%)

Yellow (30%)

Black (18%)



Cyan (18%)

Magenta (31%)

Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3701, 46.8589, 34.1518 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 47.3701, 46.8589, 34.1518 by changing the saturation by 10% instead.




 47.3701, 46.8589,  
34.1518


 47.3701, 46.8589,  
34.1518


366.9142,  
374.2510, 335.5982

 33.5375, 32.9241,  
22.7319


 85.4812, 85.5030,  
67.3063

 22.6997, 22.0683,  
14.1923


 110.4904,  
110.9810, 89.8779

 14.4914, 13.9071,  
8.1142


139.9558,  
141.0757, 117.0039

 8.5472, 8.0561,  
4.0793

174.2429,  
176.1713, 149.1028

 4.5018, 4.1309,  
1.6690

213.7169,  
216.6522, 186.5932

 1.9897, 1.7470,  
0.3393

258.7432,

 0.6282, 0.4538,

262.9029, 229.8935

0.0000

309.6872,  
315.3077, 279.4223

■ 0.0000, 0.0000,  
0.0000

■ 47.3701, 46.8589,  
34.1518

■ 47.3701, 46.8589,  
34.1518

■ 43.7407, 42.0007,  
25.5408

■ 51.4883, 52.2128,  
44.4109

■ 40.5755, 37.6161,  
18.4871

■ 56.1112, 58.0705,  
56.3964

■ 37.8531, 33.6907,  
12.8957

■ 61.2582, 64.4485,  
70.1849

■ 35.5487, 30.2068,  
8.6597

■ 66.9467, 71.3600,  
85.8479

■ 33.6344, 27.1451,  
5.6574

■ 73.1933, 78.8180,  
103.4525

■ 32.0778, 24.4840,  
3.7447

■ 76.9779, 85.6208,  
107.0770

■ 30.8238, 22.1925,  
2.6590

■ 80.3883, 92.4416,  
108.2138

■ 30.8237, 22.1924,  
2.6590

# Harmonies

## Analogous

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



50.5382, 46.8589, 39.4053



47.3701, 46.8589, 34.1518



43.6002, 46.8589, 33.0886

# Triad

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



47.3701, 46.8589, 34.1518



37.7333, 46.8589, 53.7741



49.0950, 46.8589, 69.3218

# Complementary

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



47.3701, 46.8589, 34.1518



40.1889, 43.9025, 67.3286

# 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.



45.4891, 46.8589, 74.4852



47.3701, 46.8589, 34.1518



39.0325, 46.8589, 64.7216

# Square

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



47.3701, 46.8589, 34.1518



38.1740, 46.8589, 43.4817



41.8211, 46.8589, 72.6929



51.5726, 46.8589, 59.3858



# Rectangle

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



47.3701, 46.8589, 34.1518



41.2765, 46.8589, 34.7380



41.8211, 46.8589, 72.6929



47.9669, 46.8589, 71.7326

# Sweetspot

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



47.3713, 46.8611, 34.1528



87.7484, 90.9606, 89.3135



45.4197, 37.9325, 48.9948



18.5428, 19.1701, 18.4862



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.



47.3713, 46.8611, 34.1528



69.8112, 67.7964, 44.1509



54.1214, 60.3613, 36.4028



12.2508, 12.6923, 12.4162



18.9002, 13.7335, 1.6547



1.1357, 0.9258, 0.1188

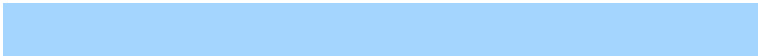


# Inverse Universe

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



40.1889, 43.9025, 67.3286



56.9232, 62.4836, 103.6681



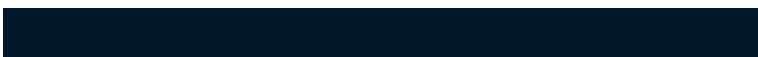
34.5963, 32.7174, 65.4644



11.6845, 12.4593, 15.0327



10.8213, 10.2892, 38.6082



0.6840, 0.7331, 2.1850



# Previews

## White Background



This preview shows how the XYZ color 47.3701, 46.8589, 34.1518 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

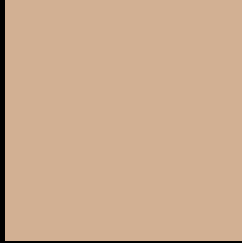
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.3701, 46.8589, 34.1518 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

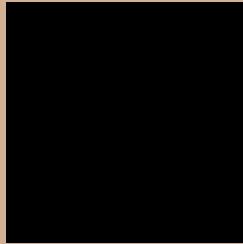
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.3701, 46.8589, 34.1518**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.3701, 46.8589, 34.1518.



This preview shows how white text looks on a background with the XYZ color 47.3701, 46.8589,



# 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

47.3701, 46.8589, 34.1518

### Protanopia

44.2253, 46.9954, 35.5943

### Deuteranopia

47.7478, 46.7636, 34.1135



## Tritanopia

50.9462, 46.8827, 51.7115

# Trichromacy



## Original Color

47.3701, 46.8589, 34.1518

## Protanomaly

45.2993, 46.9546, 35.1094

## Deuteranomaly

47.4604, 46.6154, 34.1000

## Tritanomaly

49.7348, 46.9735, 44.9736

# Monochromacy



## Original Color

47.3701, 46.8589, 34.1518

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

45.5693, 46.8823, 44.6776

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.3701, 46.8589, 34.1518 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(210, 176, 147)` looks like.

```
.text, #text, p{  
    color:rgb(210, 176, 147)  
}
```

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(210, 176, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 176, 147) }
```

## Border

The CSS property to change the border of an element to XYZ 47.3701, 46.8589, 34.1518 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(210, 176, 147) }
```



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

```
.border{ border-color:rgb(210, 176, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 176, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 176, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 176, 147);  
box-shadow:4px 4px 4px 4px rgb(210, 176,  
147) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.3701, 46.8589, 34.1518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 176, 147) }
```

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

```
.background{ background-color: rgb(210,  
176, 147) }
```

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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