

# Converting Colors

XYZ(47.0629, 43.0914, 32.7055)

Have a look what the booklet for  
XYZ(47.0629, 43.0914, 32.7055)  
contains.

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# Color

**XYZ(47.1215, 43.1441,  
32.6321)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DAA391
RGB	218, 163, 145
RGB Percent	85%, 64%, 57%
CMY	0.1451, 0.3608, 0.4314
CMYK	0.00, 0.25, 0.33, 0.15
HSL	15°, 50%, 71%
HSV	15°, 33%, 85%
XYZ	47.1215, 43.1441, 32.6321
YIQ	177.3930, 38.5580, 6.0620

# Conversions

## Conversions Part 2

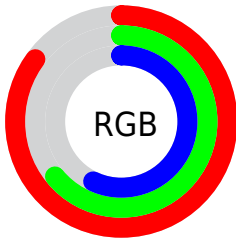
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	218, 169, 145
Decimal	14328721
CIE Lab	71.65, 17.91, 17.28
CIE LCh	72, 24.893, 43.972
Yxy	43.1441, 0.3834, 0.3511
Android (android.graphics.Color)	4292518801 (0xFFDAA391)
YUV	177.3930, -15.9697, 35.6123
Hunter-Lab	65.6842, 13.1077, 16.5235

# Details

The XYZ color **47.1215, 43.1441, 32.6321** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **44.9856, 52.3886, 74.0709**, and the grayscale version is **42.0647, 44.2554, 48.1941**.

A 20% lighter version of the original color is **76.6202, 75.5263, 64.5725**, and **22.6503, 19.8765, 13.4692** is the 20% darker color. If you saturate the color by 10%, you get **42.8701, 37.0782, 23.7023**, and if you desaturate by 10%, it is **52.0764, 50.1005, 43.3886**.

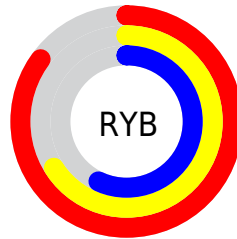
# Distribution



Red (85%)

Green (64%)

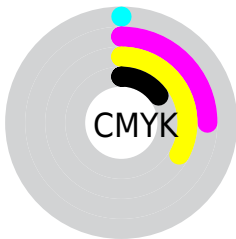
Blue (57%)



Red (85%)

Yellow (66%)

Blue (57%)

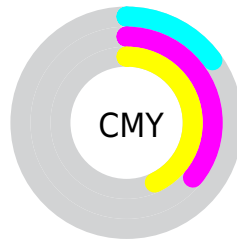


Cyan (0%)

Magenta (25%)

Yellow (33%)

Black (15%)



Cyan (15%)

Magenta (36%)


Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1215, 43.1441, 32.6321 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 47.1215, 43.1441, 32.6321 by changing the saturation by 10% instead.





 47.1215, 43.1441,  
32.6321


 47.1215, 43.1441,  
32.6321


365.9401,  
359.2040, 328.5697

 33.3401, 29.9982,  
21.5760

 85.1126, 79.9283,  
64.9101

 22.5476, 19.8372,  
13.3503


 110.0530,  
104.3353, 86.9690

 14.3786, 12.2768,  
7.5367

139.4437,  
133.2649, 113.5326

 8.4679, 6.9325,  
3.7164

173.6501,  
167.1013, 145.0195

 4.4501, 3.4199,  
1.4711

213.0376,  
206.2291, 181.8480

 1.9598, 1.3547,  
0.1963

257.9716,

 0.6112, 0.1830,

251.0325, 224.4369

0.0000

308.8173,  
301.8960, 273.2046

0.0000, 0.0000,  
0.0000

47.1215, 43.1441,  
32.6321

47.1215, 43.1441,  
32.6321

42.8701, 37.0782,  
23.7023

52.0764, 50.1005,  
43.3886

39.2860, 31.8604,  
16.4943

57.7622, 57.9755,  
56.0635

36.3343, 27.4538,  
10.8965

64.2089, 66.8035,  
70.7454

33.9758, 23.8161,  
6.7827

71.4437, 76.6153,  
87.5167

32.1661, 20.9011,  
4.0081

79.4926, 87.4402,  
106.4551

■ 30.8539, 18.6572,  
2.3977

■ 82.7236, 93.6455,  
108.3231

■ 30.2219, 17.5221,  
1.7892

# Harmonies

## Analogous

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



49.3865, 43.1441, 41.5915



47.1215, 43.1441, 32.6321



43.2861, 43.1441, 28.0111

# Triad

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



47.1215, 43.1441, 32.6321



33.6996, 43.1441, 40.8543



42.9956, 43.1441, 73.2961

# Complementary

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



47.1215, 43.1441, 32.6321



44.9856, 52.3886, 74.0709

# 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.



38.8097, 43.1441, 73.0065



47.1215, 43.1441, 32.6321



33.6337, 43.1441, 52.8075

# Square

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



47.1215, 43.1441, 32.6321



35.6329, 43.1441, 32.1725



35.4460, 43.1441, 65.0077



46.8963, 43.1441, 65.7416



# Rectangle

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



47.1215, 43.1441, 32.6321



40.4482, 43.1441, 27.4156



35.4460, 43.1441, 65.0077



41.5713, 43.1441, 74.1483

# Sweetspot

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



47.1226, 43.1461, 32.6330



85.3876, 86.8147, 86.7518



49.5779, 39.3722, 60.2247



18.0052, 18.2095, 17.9535



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.



47.1226, 43.1461, 32.6330



62.9414, 55.4631, 37.5251



54.3408, 57.5826, 35.0390



13.3156, 13.5706, 13.6432



18.1776, 10.6407, 1.0958



1.2456, 0.8253, 0.0936



# Inverse Universe

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



44.9856, 52.3886, 74.0709



59.4401, 70.4987, 105.0825



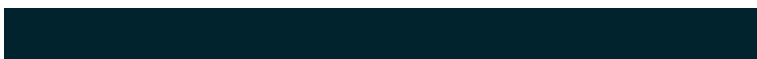
37.6915, 37.8005, 71.6396



13.1587, 14.2572, 16.7105



15.6488, 19.1670, 42.6132



1.0799, 1.3739, 2.7827



# Previews

## White Background



This preview shows how the XYZ color 47.1215, 43.1441, 32.6321 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

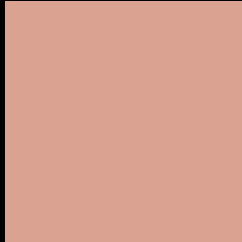
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.1215, 43.1441, 32.6321 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 47.1215, 43.1441, 32.6321**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.1215, 43.1441, 32.6321.



This preview shows how white text looks on a background with the XYZ color 47.1215, 43.1441,



# 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

47.1215, 43.1441, 32.6321

### Protanopia

40.9235, 43.2086, 35.4614

### Deuteranopia

44.1238, 43.2269, 32.4036



## Tritanopia

49.5676, 43.1087, 44.2364

# Trichromacy



## Original Color

47.1215, 43.1441, 32.6321

## Protanomaly

43.0137, 43.1661, 34.4986

## Deuteranomaly

45.1473, 43.2064, 32.3457

## Tritanomaly

48.6076, 42.9659, 39.9138

# Monochromacy



## Original Color

47.1215, 43.1441, 32.6321

## Achromatopsia

41.7894, 43.9657, 47.8787

## Achromatomaly

43.2823, 43.4281, 41.6986

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.1215, 43.1441, 32.6321 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, 163, 145)` looks like.

```
.text, #text, p{  
    color:rgb(218, 163, 145)  
}
```

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, 163, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 163, 145) }
```

## Border

The CSS property to change the border of an element to XYZ 47.1215, 43.1441, 32.6321 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, 163, 145) }
```



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

```
.border{ border-color:rgb(218, 163, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 163, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 163, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 163, 145);  
box-shadow:4px 4px 4px 4px rgb(218, 163,  
145) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.1215, 43.1441, 32.6321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 163, 145) }
```

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

```
.background{ background-color: rgb(218,  
163, 145) }
```

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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