

# Converting Colors

XYZ(47.7191, 45.3843, 35.0738)

Have a look what the booklet for  
XYZ(47.7191, 45.3843, 35.0738)  
contains.

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# Color

**XYZ(47.6113, 45.2476,  
35.0784)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6AA96
RGB	214, 170, 150
RGB Percent	84%, 67%, 59%
CMY	0.1608, 0.3333, 0.4118
CMYK	0.00, 0.21, 0.30, 0.16
HSL	19°, 44%, 71%
HSV	19°, 30%, 84%
XYZ	47.6113, 45.2476, 35.0784
YIQ	180.8760, 32.6440, 3.1080

# Conversions

## Conversions Part 2

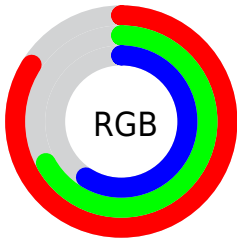
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	214, 179, 150
Decimal	14068374
CIE Lab	73.05, 13.24, 16.44
CIE LCh	73, 21.105, 51.151
Yxy	45.2476, 0.3721, 0.3537
Android (android.graphics.Color)	4292258454 (0xFFD6AA96)
YUV	180.8760, -15.2219, 29.0497
Hunter-Lab	67.2663, 8.6267, 16.1676

# Details

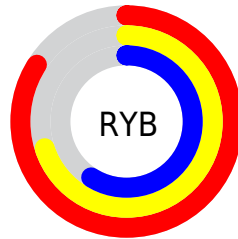
The XYZ color **47.6113, 45.2476, 35.0784** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **44.0065, 49.9210, 70.9348**, and the grayscale version is **43.9223, 46.2096, 50.3223**.

A 20% lighter version of the original color is **79.0643, 79.4701, 68.2989**, and **22.8311, 21.1268, 14.6789** is the 20% darker color. If you saturate the color by 10%, you get **43.4380, 39.4114, 25.9479**, and if you desaturate by 10%, it is **52.4103, 51.8312, 45.9710**.

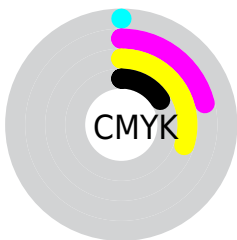
# Distribution



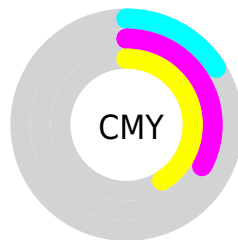
- Red (84%)
- Green (67%)
- Blue (59%)



- Red (84%)
- Yellow (70%)
- Blue (59%)



- Cyan (0%)
- Magenta (21%)
- Yellow (30%)
- Black (16%)




- Cyan (16%)
- Magenta (33%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6113, 45.2476, 35.0784 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 47.6113, 45.2476, 35.0784 by changing the saturation by 10% instead.





 47.6113, 45.2476,  
35.0784


 47.6113, 45.2476,  
35.0784


367.8576,  
367.7754, 339.8290

 33.7291, 31.6525,  
23.4392


 85.8386, 83.0918,  
68.7602

 22.8475, 21.0962,  
14.7098


 110.9144,  
108.1098, 91.6398

 14.6010, 13.1943,  
8.4716

140.4522,  
137.7041, 119.1034

 8.6243, 7.5625,  
4.3061

174.8173,  
172.2592, 151.5695

 4.5521, 3.8163,  
1.7947

214.3750,  
212.1595, 189.4565

 2.0190, 1.5713,  
0.4245

259.4907,

 0.6446, 0.3382,

257.7894, 233.1831

0.0000

310.5298,  
309.5332, 283.1677

■ 0.0000, 0.0000,  
0.0000

■ 47.6113, 45.2476,  
35.0784

■ 47.6113, 45.2476,  
35.0784

■ 43.4380, 39.4114,  
25.9479

■ 52.4103, 51.8312,  
45.9710

■ 39.8596, 34.2891,  
18.4831

■ 57.8570, 59.1814,  
58.7097

■ 36.8479, 29.8539,  
12.5825

■ 63.9766, 67.3248,  
73.3763

■ 34.3706, 26.0750,  
8.1320

■ 70.7918, 76.2845,  
90.0468

■ 32.3918, 22.9187,  
5.0021

■ 78.0002, 85.9534,  
107.0874

■ 30.8703, 20.3479,  
3.0395

■ 81.5416, 93.0362,  
108.2678

■ 29.7416, 18.3143,  
1.9732

■ 29.7322, 18.2974,  
1.9647

# Harmonies

## Analogous

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



49.9672, 45.2476, 42.2941



47.6113, 45.2476, 35.0784



44.1069, 45.2476, 31.7961

# Triad

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



47.6113, 45.2476, 35.0784



36.3712, 45.2476, 46.2074



45.6172, 45.2476, 70.7465

# Complementary

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



47.6113, 45.2476, 35.0784



44.0065, 49.9210, 70.9348

# 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.



41.9245, 45.2476, 72.1904



47.6113, 45.2476, 35.0784



36.7242, 45.2476, 56.9670

# Square

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



47.6113, 45.2476, 35.0784



37.7151, 45.2476, 37.5908



38.7086, 45.2476, 66.8429



48.7709, 45.2476, 63.1405



# Rectangle

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



47.6113, 45.2476, 35.0784



41.6491, 45.2476, 31.9021



38.7086, 45.2476, 66.8429



44.3930, 45.2476, 72.0077

# Sweetspot

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



47.6125, 45.2497, 35.0793



86.7446, 88.9530, 88.9789



48.4660, 40.0404, 56.6857



18.2963, 18.6771, 18.4041



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.



47.6125, 45.2497, 35.0793



66.6951, 61.5642, 43.1122



54.1702, 58.3650, 37.2652



12.7368, 13.0478, 13.0079



18.0535, 11.2241, 1.2150



1.1621, 0.8233, 0.0977

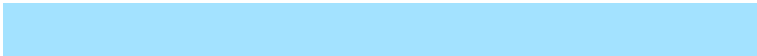


# Inverse Universe

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



44.0065, 49.9210, 70.9348



60.4749, 69.5870, 104.8520



37.7774, 37.4630, 68.8585



12.4495, 13.4225, 15.8722



13.7499, 15.7617, 40.7708



0.9017, 1.0955, 2.4832



# Previews

## White Background



This preview shows how the XYZ color 47.6113, 45.2476, 35.0784 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 47.6113, 45.2476, 35.0784 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

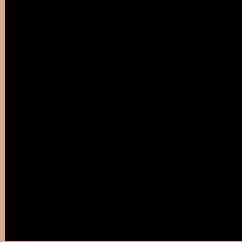
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.6113, 45.2476, 35.0784**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.6113, 45.2476, 35.0784.



This preview shows how white text looks on a background with the XYZ color 47.6113, 45.2476,

35.0784.

# 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

47.6113, 45.2476, 35.0784

### Protanopia

43.0228, 45.4256, 37.5108

### Deuteranopia

46.1005, 45.3225, 34.7521



## Tritanopia

50.3882, 45.2788, 48.7318

# Trichromacy



## Original Color

47.6113, 45.2476, 35.0784

## Protanomaly

44.5638, 45.3563, 36.5429

## Deuteranomaly

46.7557, 45.3766, 34.7280

## Tritanomaly

49.2055, 45.0635, 43.1505

# Monochromacy



## Original Color

47.6113, 45.2476, 35.0784

## Achromatopsia

43.9204, 46.2077, 50.3202

## Achromatomaly

44.9702, 45.6840, 44.4779

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.6113, 45.2476, 35.0784 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(214, 170, 150)` looks like.

```
.text, #text, p{  
    color:rgb(214, 170, 150)  
}
```

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(214, 170, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 170, 150) }
```

## Border

The CSS property to change the border of an element to XYZ 47.6113, 45.2476, 35.0784 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(214, 170, 150) }
```



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

```
.border{ border-color:rgb(214, 170, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 170, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 170, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 170, 150);  
box-shadow:4px 4px 4px 4px rgb(214, 170,  
150) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.6113, 45.2476, 35.0784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 170, 150) }
```

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

```
.background{ background-color: rgb(214,  
170, 150) }
```

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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