

# Converting Colors

XYZ(50.3731, 49.9515, 45.5147)

Have a look what the booklet for  
XYZ(50.3731, 49.9515, 45.5147)  
contains.

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# Color

**XYZ(50.3731, 49.9515,  
45.5147)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D1B6AB
RGB	209, 182, 171
RGB Percent	82%, 71%, 67%
CMY	0.1804, 0.2863, 0.3294
CMYK	0.00, 0.13, 0.18, 0.18
HSL	17°, 29%, 75%
HSV	17°, 18%, 82%
XYZ	50.3731, 49.9515, 45.5147
YIQ	188.8190, 19.6230, 2.3030

# Conversions

## Conversions Part 2

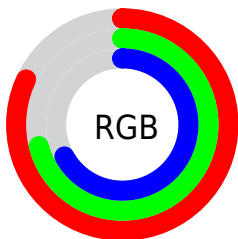
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 186, 171
Decimal	13743787
CIE Lab	76.04, 7.91, 9.15
CIE LCh	76, 12.091, 49.161
Yxy	49.9515, 0.3454, 0.3425
Android (android.graphics.Color)	4291933867 (0xFFD1B6AB)
YUV	188.8190, -8.7848, 17.6987
Hunter-Lab	70.6764, 3.5385, 11.2914

# Details

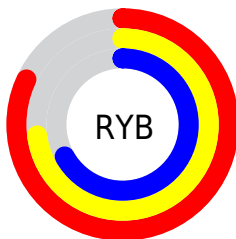
The XYZ color **50.3731, 49.9515, 45.5147** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.4968, 53.6481, 68.1210**, and the grayscale version is **48.3082, 50.8240, 55.3474**.

A 20% lighter version of the original color is **85.5420, 87.9001, 84.4094**, and **24.5065, 23.9024, 20.7748** is the 20% darker color. If you saturate the color by 10%, you get **45.6554, 43.4558, 34.8784**, and if you desaturate by 10%, it is **55.7310, 57.2225, 57.9196**.

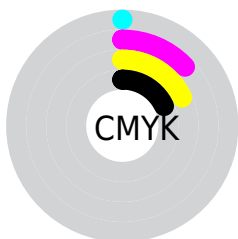
# Distribution



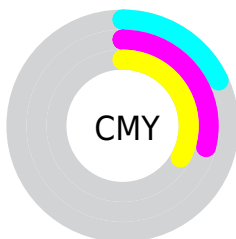
- Red (82%)
- Green (71%)
- Blue (67%)



- Red (82%)
- Yellow (73%)
- Blue (67%)



- Cyan (0%)
- Magenta (13%)
- Yellow (18%)
- Black (18%)




- Cyan (18%)
- Magenta (29%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.3731, 49.9515, 45.5147 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 50.3731, 49.9515, 45.5147 by changing the saturation by 10% instead.





 50.3731, 49.9515,  
45.5147

 50.3731, 49.9515,  
45.5147


378.5511,  
386.4762, 385.0749

 35.9290, 35.3749,  
31.5171

 89.9160, 90.1030,  
84.8189

 24.5492, 23.9518,  
20.7312


115.7454,  
116.4467, 110.9625

 15.8684, 15.2979,  
12.7383


146.1006,  
147.4815, 141.9920

 9.5214, 9.0287,  
7.1200

181.3470,  
183.5918, 178.3257

 5.1426, 4.7599,  
3.4577

221.8498,  
225.1620, 220.3824

 2.3668, 2.1071,  
1.3328

267.9746,

 0.8285, 0.6686,

272.5766, 268.5804

0.0885

320.0866,  
326.2199, 323.3384

■ 0.0000, 0.0000,  
0.0000

■ 50.3731, 49.9515,  
45.5147

■ 50.3731, 49.9515,  
45.5147

■ 45.6554, 43.4558,  
34.8784

■ 55.7310, 57.2225,  
57.9196

■ 41.5490, 37.7029,  
25.9266

■ 61.7484, 65.2869,  
72.1658

■ 38.0289, 32.6675,  
18.5727

■ 68.4488, 74.1702,  
88.3259

■ 35.0666, 28.3205,  
12.7212

■ 75.8532, 83.8951,  
106.4672

■ 32.6308, 24.6306,  
8.2664

■ 80.1046, 92.2954,  
108.2006

■ 30.6872, 21.5640,  
5.0886

■ 29.1963, 19.0832,  
3.0475

■ 28.1054, 17.1435,  
1.9369

■ 27.9380, 16.8422,  
1.7784

# Harmonies

## Analogous

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



51.6971, 49.9515, 50.4092



50.3731, 49.9515, 45.5147



48.2984, 49.9515, 43.0691

# Triad

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



50.3731, 49.9515, 45.5147



43.3402, 49.9515, 52.0842



48.9166, 49.9515, 66.9978

# Complementary

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



50.3731, 49.9515, 45.5147



48.4968, 53.6481, 68.1210

# 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.



46.6658, 49.9515, 67.5359



50.3731, 49.9515, 45.5147



43.4938, 49.9515, 58.5723

# Square

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



50.3731, 49.9515, 45.5147



44.2683, 49.9515, 46.6571



44.6949, 49.9515, 64.3471



50.8379, 49.9515, 62.9305



# Rectangle

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



50.3731, 49.9515, 45.5147



46.7896, 49.9515, 43.0150



44.6949, 49.9515, 64.3471



48.1719, 49.9515, 67.6089

# Sweetspot

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



50.3745, 49.9537, 45.5157



90.2428, 93.5622, 97.5044



51.0778, 46.7697, 59.9031



19.1757, 19.8381, 20.5401



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

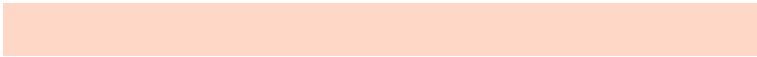


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.3745, 49.9537, 45.5157



75.8747, 74.0540, 64.2668



54.4779, 58.1606, 46.8836



12.0837, 12.3580, 12.3605



17.2997, 10.5325, 1.1212



1.0357, 0.7258, 0.0855

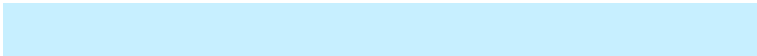


# Inverse Universe

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



48.4968, 53.6481, 68.1210



72.3713, 80.9377, 106.4159



44.4707, 45.5958, 66.7789



11.8571, 12.8045, 15.0902



13.7599, 16.1664, 39.5877



0.8358, 1.0367, 2.2356



# Previews

## White Background



This preview shows how the XYZ color 50.3731, 49.9515, 45.5147 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

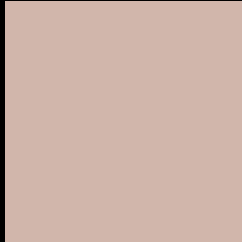
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.3731, 49.9515, 45.5147 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

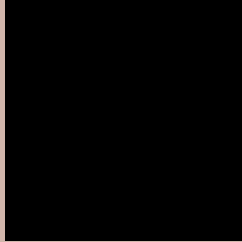
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 50.3731, 49.9515, 45.5147

## Background



This preview shows how black text looks on a background with the XYZ color 50.3731, 49.9515, 45.5147.



This preview shows how white text looks on a background with the XYZ color 50.3731, 49.9515,

45.5147.

# 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

50.3731, 49.9515, 45.5147

### Protanopia

47.6584, 50.0660, 47.1962

### Deuteranopia

51.0259, 49.9851, 45.4868



## Tritanopia

52.8971, 50.0875, 57.3320

# Trichromacy



## Original Color

50.3731, 49.9515, 45.5147

## Protanomaly

48.4450, 49.8572, 46.6052

## Deuteranomaly

50.7385, 49.8369, 45.4734

## Tritanomaly

51.9422, 49.9942, 52.8111

# Monochromacy



## Original Color

50.3731, 49.9515, 45.5147

## Achromatopsia

48.3692, 50.8881, 55.4172

## Achromatomaly

48.7674, 50.2310, 51.3812

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.3731, 49.9515, 45.5147 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(209, 182, 171)` looks like.

```
.text, #text, p{  
    color:rgb(209, 182, 171)  
}
```

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(209, 182, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 182, 171) }
```

## Border

The CSS property to change the border of an element to XYZ 50.3731, 49.9515, 45.5147 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(209, 182, 171) }
```



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

```
.border{ border-color:rgb(209, 182, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 182, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 182, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 182, 171);  
box-shadow:4px 4px 4px 4px rgb(209, 182,  
171) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.3731, 49.9515, 45.5147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 182, 171) }
```

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

```
.background{ background-color: rgb(209,  
182, 171) }
```

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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