

# Converting Colors

XYZ(51.3072, 46.2770, 44.1990)

Have a look what the booklet for  
XYZ(51.3072, 46.2770, 44.1990)  
contains.

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# Color

**XYZ(51.3825, 46.4371,  
44.2853)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEA8AA
RGB	222, 168, 170
RGB Percent	87%, 66%, 67%
CMY	0.1294, 0.3412, 0.3333
CMYK	0.00, 0.24, 0.23, 0.13
HSL	358°, 45%, 76%
HSV	358°, 24%, 87%
XYZ	51.3825, 46.4371, 44.2853
YIQ	184.3740, 31.5420, 12.0700

# Conversions

## Conversions Part 2

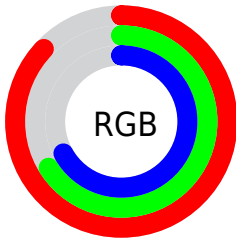
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	222, 168, 170
Decimal	14592170
CIE Lab	73.83, 20.12, 6.69
CIE LCh	74, 21.207, 18.400
Yxy	46.4371, 0.3616, 0.3268
Android (android.graphics.Color)	4292782250 (0xFFDEA8AA)
YUV	184.3740, -7.0864, 32.9980
Hunter-Lab	68.1448, 15.3392, 9.1705

# Details

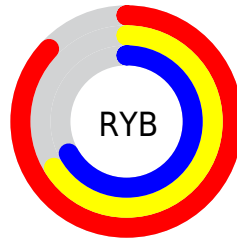
The XYZ color **51.3825, 46.4371, 44.2853** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **55.1899, 65.7357, 77.4928**, and the grayscale version is **45.7935, 48.1784, 52.4663**.

A 20% lighter version of the original color is **81.2183, 79.4716, 82.2930**, and **25.2413, 21.9058, 20.0374** is the 20% darker color. If you saturate the color by 10%, you get **45.7679, 38.1853, 33.2340**, and if you desaturate by 10%, it is **58.0282, 56.2240, 57.3040**.

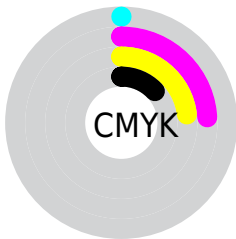
# Distribution



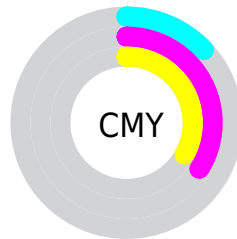
- Red (87%)
- Green (66%)
- Blue (67%)



- Red (87%)
- Yellow (66%)
- Blue (67%)



- Cyan (0%)
- Magenta (24%)
- Yellow (23%)
- Black (13%)




- Cyan (13%)
- Magenta (34%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3825, 46.4371, 44.2853 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 51.3825, 46.4371, 44.2853 by changing the saturation by 10% instead.





 51.3825, 46.4371,  
44.2853


 51.3825, 46.4371,  
44.2853


382.4113,  
372.5632, 379.9466

 36.7354, 32.5909,  
30.5560


 91.3996, 84.8728,  
82.9539

 25.1754, 21.8132,  
20.0054


 117.5002,  
110.2310, 108.7304

 16.3372, 13.7197,  
12.2148


148.1494,  
140.1954, 139.3596

 9.8555, 7.9260,  
6.7659

183.7125,  
175.1503, 175.2602

 5.3648, 4.0476,  
3.2399

224.5549,  
215.4802, 216.8506

 2.4998, 1.7002,  
1.2184

271.0419,

 0.8951, 0.4238,

261.5693, 264.5495

0.0000

323.5389,  
313.8022, 318.7753

0.0000, 0.0000,  
0.0000

51.3825, 46.4371,  
44.2853

51.3825, 46.4371,  
44.2853

45.7679, 38.1853,  
33.2340

58.0282, 56.2240,  
57.3040

41.1292, 31.3849,  
24.0517

65.7491, 67.6115,  
72.3763

37.4118, 25.9537,  
16.6360

74.5912, 80.6692,  
89.5865

34.5544, 21.7990,  
10.8735

83.9343, 94.2697,  
108.3798

32.4878, 18.8165,  
6.6375

■ 31.1326, 16.8855,  
3.7831

■ 30.3926, 15.8593,  
2.1373

■ 30.1693, 15.5476,  
1.6465

# Harmonies

## Analogous

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



51.6293, 46.4371, 54.8546



51.3825, 46.4371, 44.2853



49.1293, 46.4371, 36.5663

# Triad

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



51.3825, 46.4371, 44.2853



38.9329, 46.4371, 37.9879



42.6948, 46.4371, 73.7592

# Complementary

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



51.3825, 46.4371, 44.2853



55.1899, 65.7357, 77.4928

# 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.



39.4950, 46.4371, 67.7387



51.3825, 46.4371, 44.2853



37.4072, 46.4371, 46.4996

# Square

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



51.3825, 46.4371, 44.2853



41.8872, 46.4371, 33.3035



37.6069, 46.4371, 57.4056



46.4661, 46.4371, 72.9420



# Rectangle

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



51.3825, 46.4371, 44.2853



46.8610, 46.4371, 33.6047



37.6069, 46.4371, 57.4056



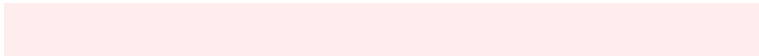
41.5208, 46.4371, 72.4367

# Sweetspot

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



51.3838, 46.4392, 44.2863



86.9723, 88.0771, 93.1591



56.4925, 48.3880, 75.4699



18.4742, 18.6435, 19.6639



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.



51.3838, 46.4392, 44.2863



66.4031, 57.7797, 52.8812



56.1090, 56.1896, 44.9368



13.7277, 13.7087, 14.3361



17.9288, 9.2385, 1.0250



1.2501, 0.6433, 0.1097



# Inverse Universe

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



51.3838, 46.4392, 44.2863



66.4031, 57.7797, 52.8812



49.4607, 53.8517, 76.8951



13.7277, 13.7087, 14.3361



17.9288, 9.2385, 1.0250

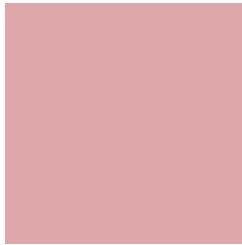


1.2501, 0.6433, 0.1097



# Previews

## White Background



This preview shows how the XYZ color 51.3825, 46.4371, 44.2853 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

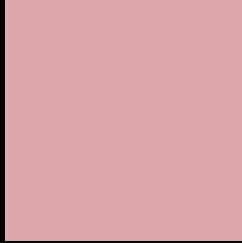
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.3825, 46.4371, 44.2853 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

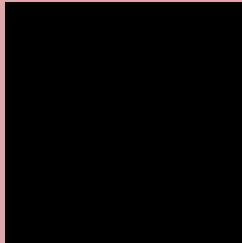
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 51.3825, 46.4371, 44.2853**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.3825, 46.4371, 44.2853.



This preview shows how white text looks on a background with the XYZ color 51.3825, 46.4371,



# 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

51.3825, 46.4371, 44.2853

### Protanopia

44.7094, 46.6612, 48.2450

### Deuteranopia

47.3932, 46.3619, 43.9870



## Tritanopia

52.3868, 46.5801, 48.8776

# Trichromacy



## Original Color

51.3825, 46.4371, 44.2853

## Protanomaly

46.7185, 46.2488, 46.5090

## Deuteranomaly

48.7779, 46.2185, 43.8863

## Tritanomaly

52.0866, 46.4600, 47.2967

# Monochromacy



## Original Color

51.3825, 46.4371, 44.2853

## Achromatopsia

45.5594, 47.9320, 52.1980

## Achromatomaly

47.3458, 47.1012, 49.2439

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.3825, 46.4371, 44.2853 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(222, 168, 170)` looks like.

```
.text, #text, p{  
    color:rgb(222, 168, 170)  
}
```

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(222, 168, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 168, 170) }
```

## Border

The CSS property to change the border of an element to XYZ 51.3825, 46.4371, 44.2853 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(222, 168, 170) }
```



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

```
.border{ border-color:rgb(222, 168, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 168, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(222, 168, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(222, 168, 170); box-shadow:4px 4px 4px 4px rgb(222, 168, 170) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.3825, 46.4371, 44.2853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 168, 170) }
```

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

```
.background{ background-color: rgb(222,  
168, 170) }
```

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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