

# Converting Colors

XYZ(51.4167, 46.4745, 42.5580)

Have a look what the booklet for  
XYZ(51.4167, 46.4745, 42.5580)  
contains.

<b>XYZ(51.3170, 46.4464, 42.3367)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(51.3170, 46.4464,  
42.3367)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DFA8A6
RGB	223, 168, 166
RGB Percent	87%, 66%, 65%
CMY	0.1255, 0.3412, 0.3490
CMYK	0.00, 0.25, 0.26, 0.13
HSL	2°, 47%, 76%
HSV	2°, 26%, 87%
XYZ	51.3170, 46.4464, 42.3367
YIQ	184.2170, 33.4220, 11.0380

# Conversions

## Conversions Part 2

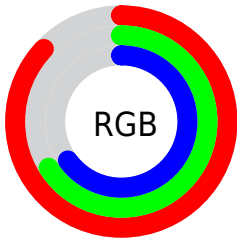
Format	Color
R <sub>Y</sub> B	223, 168, 166
Decimal	14657702
CIE Lab	73.83, 19.92, 8.91
CIE LCh	74, 21.826, 24.095
Yxy	46.4464, 0.3663, 0.3315
Android (android.graphics.Color)	4292847782 (0xFFDFA8A6)
YUV	184.2170, -8.9810, 34.0127
Hunter-Lab	68.1516, 15.1422, 10.8744

# Details

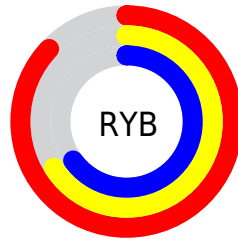
The XYZ color **51.3170, 46.4464, 42.3367** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **54.9009, 65.1457, 79.4932**, and the grayscale version is **45.7161, 48.0969, 52.3775**.

A 20% lighter version of the original color is **80.6788, 79.2558, 79.4523**, and **25.2190, 21.9212, 18.8216** is the 20% darker color. If you saturate the color by 10%, you get **45.7973, 38.4016, 31.2644**, and if you desaturate by 10%, it is **57.8511, 55.9518, 55.4981**.

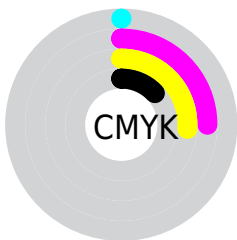
# Distribution



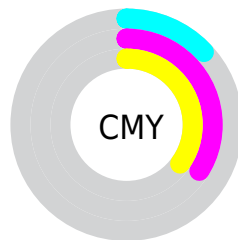
- Red (87%)
- Green (66%)
- Blue (65%)



- Red (87%)
- Yellow (66%)
- Blue (65%)



- Cyan (0%)
- Magenta (25%)
- Yellow (26%)
- Black (13%)




- Cyan (13%)
- Magenta (34%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3170, 46.4464, 42.3367 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 51.3170, 46.4464, 42.3367 by changing the saturation by 10% instead.





 51.3170, 46.4464,  
42.3367


 51.3170, 46.4464,  
42.3367


382.1615,  
372.6004, 371.7175

 36.6830, 32.5982,  
29.0375


 91.3034, 84.8867,  
79.9845

 25.1347, 21.8188,  
18.8634


 117.3865,  
110.2476, 105.1702

 16.3067, 13.7238,  
11.3958


148.0167,  
140.2148, 135.1552

 9.8337, 7.9288,  
6.2162

183.5594,  
175.1729, 170.3579

 5.3502, 4.0495,  
2.9061

224.3798,  
215.5060, 211.1970

 2.4910, 1.7013,  
1.0469

270.8434,

 0.8907, 0.4245,

261.5988, 258.0909

0.0000

323.3156,  
313.8354, 311.4583

■ 0.0000, 0.0000,  
0.0000

■ 51.3170, 46.4464,  
42.3367

■ 51.3170, 46.4464,  
42.3367

■ 45.7973, 38.4016,  
31.2644

■ 57.8511, 55.9518,  
55.4981

■ 41.2377, 31.7390,  
22.1711

■ 65.4430, 66.9783,  
70.8451

■ 37.5845, 26.3827,  
14.9412

■ 74.1380, 79.5907,  
88.4719

■ 34.7770, 22.2469,  
9.4455

■ 83.9453, 93.8355,  
108.2954

■ 32.7475, 19.2357,  
5.5389

■ 84.2416, 94.4280,  
108.3942

■ 31.4176, 17.2386,  
3.0523

■ 30.6924, 16.1230,  
1.7787

■ 30.5167, 15.8583,  
1.4525

# Harmonies

## Analogous

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



51.9953, 46.4464, 52.8036



51.3170, 46.4464, 42.3367



48.6699, 46.4464, 35.1568

# Triad

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



51.3170, 46.4464, 42.3367



38.3713, 46.4464, 39.0423



43.3824, 46.4464, 74.9576

# Complementary

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



51.3170, 46.4464, 42.3367



54.9009, 65.1457, 79.4932

# 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.



39.9113, 46.4464, 69.9406



51.3170, 46.4464, 42.3367



37.1292, 46.4464, 48.4046

# Square

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



51.3170, 46.4464, 42.3367



41.1679, 46.4464, 33.4590



37.6761, 46.4464, 59.8120



47.2641, 46.4464, 72.7064



# Rectangle

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



51.3170, 46.4464, 42.3367



46.2233, 46.4464, 32.6723



37.6761, 46.4464, 59.8120



42.1317, 46.4464, 74.0449

# Sweetspot

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



51.3183, 46.4486, 42.3376



85.9769, 86.8336, 90.5237



57.1325, 48.1867, 74.7666



18.0606, 18.0893, 18.6840



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.



51.3183, 46.4486, 42.3376



65.1375, 56.5246, 48.5256



57.1451, 58.1022, 44.2799



13.7457, 13.7773, 14.2416



17.9603, 9.3586, 0.8598



1.2587, 0.6764, 0.0642



# Inverse Universe

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



54.9009, 65.1457, 79.4932



70.8228, 86.2035, 107.5139



48.0273, 51.3985, 77.2020



14.0731, 15.4853, 17.6349



22.1618, 31.7932, 46.0170



1.5492, 2.2299, 3.1940



# Previews

## White Background



This preview shows how the XYZ color 51.3170, 46.4464, 42.3367 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

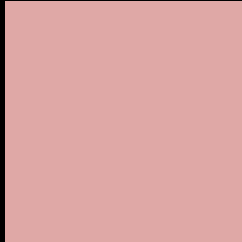
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.3170, 46.4464, 42.3367 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 51.3170, 46.4464, 42.3367**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.3170, 46.4464, 42.3367.



This preview shows how white text looks on a background with the XYZ color 51.3170, 46.4464,

42.3367.

# 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

51.3170, 46.4464, 42.3367

### Protanopia

44.5602, 46.6297, 46.1870

### Deuteranopia

47.5751, 46.4984, 42.0649



## Tritanopia

52.5134, 46.3744, 48.8312

# Trichromacy



## Original Color

51.3170, 46.4464, 42.3367

## Protanomaly

46.6005, 46.2323, 44.4978

## Deuteranomaly

48.6954, 46.2187, 41.9519

## Tritanomaly

52.1992, 46.5407, 46.2765

# Monochromacy



## Original Color

51.3170, 46.4464, 42.3367

## Achromatopsia

45.5594, 47.9320, 52.1980

## Achromatomaly

47.1449, 47.0209, 48.1861

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.3170, 46.4464, 42.3367 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(223, 168, 166)` looks like.

```
.text, #text, p{  
    color:rgb(223, 168, 166)  
}
```

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(223, 168, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 168, 166) }
```

## Border

The CSS property to change the border of an element to XYZ 51.3170, 46.4464, 42.3367 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(223, 168, 166) }
```



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

```
.border{ border-color:rgb(223, 168, 166) }
```

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

Here you see how a box with a 4 pixel rgb(223, 168, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 168, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 168, 166);  
box-shadow:4px 4px 4px 4px rgb(223, 168,  
166) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.3170, 46.4464, 42.3367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 168, 166) }
```

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

```
.background{ background-color: rgb(223,  
168, 166) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor