

# Converting Colors

XYZ(55.3618, 50.3443, 46.7533)

Have a look what the booklet for  
XYZ(55.3618, 50.3443, 46.7533)  
contains.

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# Color

**XYZ(55.2831, 50.3740,  
46.8538)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E5AFAE
RGB	229, 175, 174
RGB Percent	90%, 69%, 68%
CMY	0.1020, 0.3137, 0.3176
CMYK	0.00, 0.24, 0.24, 0.10
HSL	1°, 51%, 79%
HSV	1°, 24%, 90%
XYZ	55.2831, 50.3740, 46.8538
YIQ	191.0320, 32.5050, 11.1370

# Conversions

## Conversions Part 2

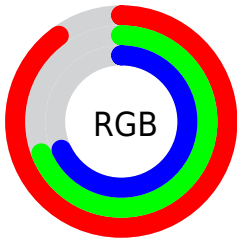
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	229, 175, 174
Decimal	15052718
CIE Lab	76.30, 19.53, 8.14
CIE LCh	76, 21.162, 22.627
Yxy	50.3740, 0.3625, 0.3303
Android (android.graphics.Color)	4293242798 (0xFFE5AFAE)
YUV	191.0320, -8.3968, 33.2979
Hunter-Lab	70.9746, 14.8304, 10.5420

# Details

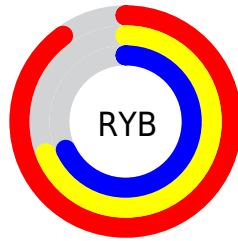
The XYZ color **55.2831, 50.3740, 46.8538** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **59.3411, 70.1406, 84.5400**, and the grayscale version is **49.5750, 52.1567, 56.7987**.

A 20% lighter version of the original color is **83.9588, 84.0690, 85.9306**, and **27.7060, 24.2084, 21.6248** is the 20% darker color. If you saturate the color by 10%, you get **49.2209, 41.5227, 34.7417**, and if you desaturate by 10%, it is **62.4572, 60.8391, 61.2153**.

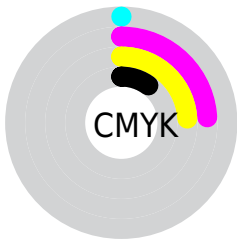
# Distribution



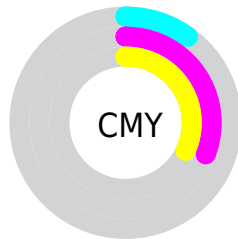
- Red (90%)
- Green (69%)
- Blue (68%)



- Red (90%)
- Yellow (69%)
- Blue (68%)



- Cyan (0%)
- Magenta (24%)
- Yellow (24%)
- Black (10%)



- Cyan (10%)
- Magenta (31%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.2831, 50.3740, 46.8538 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 55.2831, 50.3740, 46.8538 by changing the saturation by 10% instead.



55.2831, 50.3740,  
46.8538

55.2831, 50.3740,  
46.8538

397.1031,  
388.1267, 390.6075

39.8632, 35.7107,  
32.5666

97.1015, 90.7288,  
86.8430

27.6156, 24.2108,  
21.5262

124.2307,  
117.1890, 113.3821

18.1751, 15.4901,  
13.3142

155.9937,  
148.3503, 144.8423

11.1762, 9.1641,  
7.5120

192.7559,  
184.5970, 181.6420

6.2536, 4.8483,  
3.7011

234.8825,  
226.3137, 224.1999

3.0420, 2.1586,  
1.4628

282.7391,

1.1760, 0.6973,

273.8846, 272.9344

0.1900

336.6908,  
327.6941, 328.2641

■ 0.0873, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.2831, 50.3740,  
46.8538

■ 55.2831, 50.3740,  
46.8538

■ 49.2209, 41.5227,  
34.7417

■ 62.4572, 60.8391,  
61.2153

■ 44.2110, 34.1984,  
24.7623

■ 70.7904, 72.9852,  
77.9288

■ 40.1949, 28.3168,  
16.7931

■ 80.3324, 86.8843,  
97.0942

■ 37.1063, 23.7828,  
10.6977

■ 86.1233, 95.3981,  
108.4822

■ 34.8710, 20.4896,  
6.3231

■ 33.4036, 18.3145,  
3.4921

■ 32.6009, 17.1098,  
1.9892

■ 32.3587, 16.7489,  
1.5274

# Harmonies

## Analogous

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



55.8628, 50.3740, 57.7050



55.2831, 50.3740, 46.8538



52.6680, 50.3740, 39.2327

# Triad

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



55.2831, 50.3740, 46.8538



42.0603, 50.3740, 42.6100



46.9052, 50.3740, 79.5366

# Complementary

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



55.2831, 50.3740, 46.8538



59.3411, 70.1406, 84.5400

# 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.



43.3894, 50.3740, 74.1400



55.2831, 50.3740, 46.8538



40.6946, 50.3740, 52.0883

# Square

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



55.2831, 50.3740, 46.8538



44.9993, 50.3740, 37.0293



41.1673, 50.3740, 63.7050



50.8790, 50.3740, 77.6262



# Rectangle

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



55.2831, 50.3740, 46.8538



50.1968, 50.3740, 36.5040



41.1673, 50.3740, 63.7050



45.6337, 50.3740, 78.4941

# Sweetspot

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



55.2845, 50.3763, 46.8548



86.9702, 88.2276, 92.6815



61.4648, 52.5368, 80.3609



18.4737, 18.6781, 19.5538



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.



55.2845, 50.3763, 46.8548



66.3957, 58.2185, 51.4808



61.1720, 62.1514, 48.8173



14.3980, 14.4099, 14.9270



18.5104, 9.5950, 0.8764



1.3754, 0.7240, 0.0673



# Inverse Universe

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



59.3411, 70.1406, 84.5400



72.4484, 87.7111, 107.7192



52.3886, 56.2357, 82.2225



14.7837, 16.2888, 18.5092



23.4629, 33.9879, 47.7069



1.7411, 2.5261, 3.5278



# Previews

## White Background



This preview shows how the XYZ color 55.2831, 50.3740, 46.8538 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

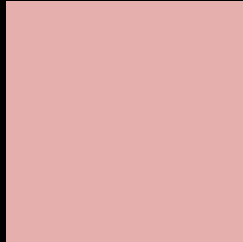
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.2831, 50.3740, 46.8538 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 55.2831, 50.3740, 46.8538**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.2831, 50.3740, 46.8538.



This preview shows how white text looks on a background with the XYZ color 55.2831, 50.3740,

46.8538.

# 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

55.2831, 50.3740, 46.8538

### Protanopia

48.5718, 50.7720, 50.9560

### Deuteranopia

51.4222, 50.4701, 46.5666



## Tritanopia

56.4396, 50.2553, 53.1799

# Trichromacy



## Original Color

55.2831, 50.3740, 46.8538

## Protanomaly

50.7015, 50.3467, 49.1651

## Deuteranomaly

52.5764, 50.1628, 46.4465

## Tritanomaly

56.2127, 50.4725, 51.0354

# Monochromacy



## Original Color

55.2831, 50.3740, 46.8538

## Achromatopsia

49.5206, 52.0996, 56.7364

## Achromatomaly

51.2828, 51.1798, 53.0747

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.2831, 50.3740, 46.8538 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(229, 175, 174)` looks like.

```
.text, #text, p{  
    color:rgb(229, 175, 174)  
}
```

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(229, 175, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 175, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 55.2831, 50.3740, 46.8538 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(229, 175, 174) }
```



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

```
.border{ border-color:rgb(229, 175, 174) }
```

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

Here you see how a box with a 4 pixel rgb(229, 175, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 175, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 175, 174);  
box-shadow:4px 4px 4px 4px rgb(229, 175,  
174) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.2831, 50.3740, 46.8538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 175, 174) }
```

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

```
.background{ background-color: rgb(229,  
175, 174) }
```

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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