

# Converting Colors

XYZ(58.3378, 60.5709, 47.5015)

Have a look what the booklet for  
XYZ(58.3378, 60.5709, 47.5015)  
contains.

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# Color

**XYZ(58.3857, 60.5918,  
47.6478)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDCAAC
RGB	221, 202, 172
RGB Percent	87%, 79%, 67%
CMY	0.1333, 0.2078, 0.3255
CMYK	0.00, 0.09, 0.22, 0.13
HSL	37°, 42%, 77%
HSV	37°, 22%, 87%
XYZ	58.3857, 60.5918, 47.6478
YIQ	204.2610, 20.9540, -5.3020

# Conversions

## Conversions Part 2

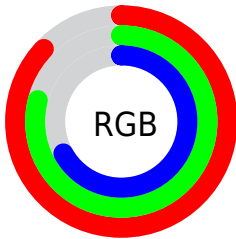
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	203, 221, 172
Decimal	14535340
CIE Lab	82.16, 1.94, 17.40
CIE LCh	82, 17.505, 83.644
Yxy	60.5918, 0.3504, 0.3636
Android (android.graphics.Color)	4292725420 (0xFFDDCAAC)
YUV	204.2610, -15.9047, 14.6801
Hunter-Lab	77.8407, -2.3345, 18.1960

# Details

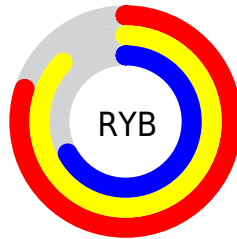
The XYZ color **58.3857, 60.5918, 47.6478** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **48.6948, 51.2513, 75.7329**, and the grayscale version is **57.6491, 60.6514, 66.0493**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **29.4971, 30.5352, 22.1085** is the 20% darker color. If you saturate the color by 10%, you get **54.4830, 55.9051, 36.7318**, and if you desaturate by 10%, it is **62.7562, 65.6484, 60.4626**.

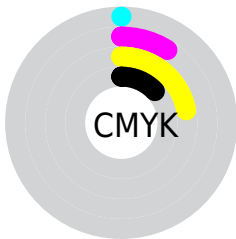
# Distribution



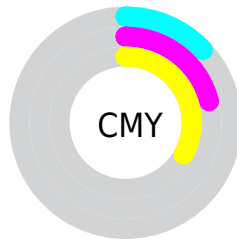
- Red (87%)
- Green (79%)
- Blue (67%)



- Red (80%)
- Yellow (87%)
- Blue (67%)



- Cyan (0%)
- Magenta (9%)
- Yellow (22%)
- Black (13%)




- Cyan (13%)
- Magenta (21%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.3857, 60.5918, 47.6478 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 58.3857, 60.5918, 47.6478 by changing the saturation by 10% instead.




 58.3857, 60.5918,  
47.6478

 58.3857, 60.5918,  
47.6478


408.5523,  
426.7757, 393.8628

 42.3633, 43.8958,  
33.1901


 101.6041,  
105.6877, 88.0399

 29.5782, 30.5886,  
21.9998


129.5307,  
134.8564, 114.8113

 19.6651, 20.2858,  
13.6584


162.1561,  
168.9514, 146.5243

 12.2587, 12.6030,  
7.7474

199.8457,  
208.3572, 183.5975

 6.9936, 7.1557,  
3.8483

242.9647,  
253.4581, 226.4494

 3.5044, 3.5597,  
1.5425

291.8786,

 1.4258, 1.4304,

304.6386, 275.4985

0.2493

346.9527,  
362.2830, 331.1635

■ 0.2745, 0.2390,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.3857, 60.5918,  
47.6478

■ 58.3857, 60.5918,  
47.6478

■ 54.4830, 55.9051,  
36.7318

■ 62.7562, 65.6484,  
60.4626

■ 51.0241, 51.5695,  
27.6183

■ 67.6078, 71.0767,  
75.2584

■ 47.9899, 47.5766,  
20.2083

■ 72.9589, 76.8889,  
92.1172

■ 45.3576, 43.9142,  
14.3916

■ 77.9435, 82.7414,  
106.4704

■ 43.1021, 40.5692,  
10.0449

■ 80.4735, 87.8014,  
107.3137

■ 41.1945, 37.5268,  
7.0267

■ 83.1235, 93.1013,  
108.1970

■ 39.6007, 34.7700,  
5.1669

■ 83.6289, 94.1122,  
108.3655

■ 38.5287, 32.7918,  
4.2988

# Harmonies

## Analogous

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



61.9330, 60.5918, 50.8223



58.3857, 60.5918, 47.6478



54.7712, 60.5918, 48.9414

# Triad

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



58.3857, 60.5918, 47.6478



51.2875, 60.5918, 74.5298



63.5415, 60.5918, 78.8695

# Complementary

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



58.3857, 60.5918, 47.6478



48.6948, 51.2513, 75.7329

# 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.



60.5053, 60.5918, 86.5609



58.3857, 60.5918, 47.6478



53.4562, 60.5918, 83.8729

# Square

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



58.3857, 60.5918, 47.6478



50.7745, 60.5918, 63.7336



56.8029, 60.5918, 88.4837



64.9912, 60.5918, 68.2667



# Rectangle

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



58.3857, 60.5918, 47.6478



52.7967, 60.5918, 52.2408



56.8029, 60.5918, 88.4837



62.6665, 60.5918, 81.9253

# Sweetspot

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



58.3873, 60.5945, 47.6491



90.1401, 94.5674, 93.7382



54.0420, 48.6660, 56.1829



19.2065, 20.1437, 19.7981



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.



58.3873, 60.5945, 47.6491



77.9476, 80.4690, 57.9618



61.6517, 69.3060, 49.1585



13.7164, 14.3721, 13.7767



22.4948, 19.2752, 2.5349



1.5400, 1.4141, 0.1918



# Inverse Universe

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



48.6948, 51.2513, 75.7329



62.0902, 65.1860, 103.9174



45.9130, 44.0617, 74.4917



12.7505, 13.4408, 16.5744



9.6018, 7.0731, 40.5976

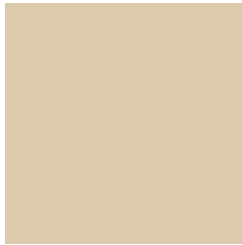


0.7041, 0.6224, 2.6575



# Previews

## White Background



This preview shows how the XYZ color 58.3857, 60.5918, 47.6478 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

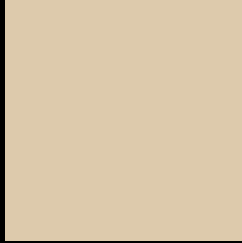
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.3857, 60.5918, 47.6478 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

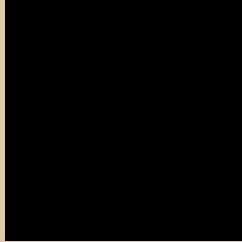
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 58.3857, 60.5918, 47.6478**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.3857, 60.5918, 47.6478.



This preview shows how white text looks on a background with the XYZ color 58.3857, 60.5918,



# 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

58.3857, 60.5918, 47.6478

### Protanopia

57.1600, 60.6499, 48.2291

### Deuteranopia

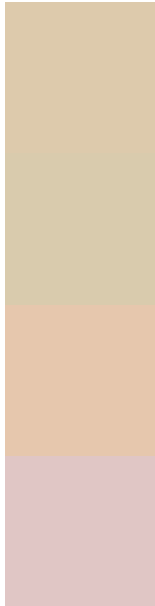
61.7700, 60.6118, 47.9788



## Tritanopia

62.9876, 60.4021, 70.6263

# Trichromacy



## Original Color

58.3857, 60.5918, 47.6478

## Protanomaly

57.5140, 60.4807, 48.1778

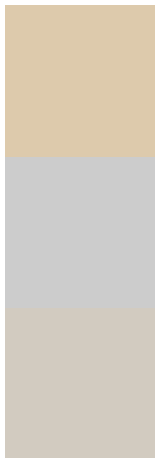
## Deuteranomaly

60.5994, 60.6870, 48.0550

## Tritanomaly

61.0126, 60.2667, 61.2402

# Monochromacy



## Original Color

58.3857, 60.5918, 47.6478

## Achromatopsia

57.3938, 60.3827, 65.7568

## Achromatomaly

57.4487, 60.2193, 58.4648

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.3857, 60.5918, 47.6478 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(221, 202, 172)` looks like.

```
.text, #text, p{  
    color:rgb(221, 202, 172)  
}
```

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(221, 202, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 202, 172) }
```

## Border

The CSS property to change the border of an element to XYZ 58.3857, 60.5918, 47.6478 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(221, 202, 172) }
```



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

```
.border{ border-color:rgb(221, 202, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 202, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 202, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 202, 172);  
box-shadow:4px 4px 4px 4px rgb(221, 202,  
172) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.3857, 60.5918, 47.6478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 202, 172) }
```

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

```
.background{ background-color: rgb(221,  
202, 172) }
```

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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