

# Converting Colors

XYZ(37.9797, 38.5717, 25.8654)

Have a look what the booklet for  
XYZ(37.9797, 38.5717, 25.8654)  
contains.

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# Color

**XYZ(37.9797, 38.5717,  
25.8654)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BDA380
RGB	189, 163, 128
RGB Percent	74%, 64%, 50%
CMY	0.2588, 0.3608, 0.4980
CMYK	0.00, 0.14, 0.32, 0.26
HSL	34°, 32%, 62%
HSV	34°, 32%, 74%
XYZ	37.9797, 38.5717, 25.8654
YIQ	166.7840, 26.7310, -5.3730

# Conversions

## Conversions Part 2

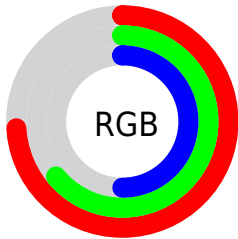
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	173, 189, 128
Decimal	12428160
CIE <sub>Lab</sub>	68.44, 4.31, 21.72
CIE <sub>LCh</sub>	68, 22.145, 78.772
Yxy	38.5717, 0.3708, 0.3766
Android (android.graphics.Color)	4290618240 (0xFFBDA380)
YUV	166.7840, -19.1205, 19.4834
Hunter-Lab	62.1061, 0.4722, 18.7817

# Details

The XYZ color **37.9797, 38.5717, 25.8654** is a light color, and the websafe version is hex **999966**. A complement of this color would be **29.6426, 31.3735, 52.6374**, and the grayscale version is **36.7072, 38.6189, 42.0560**.

A 20% lighter version of the original color is **71.4179, 73.0718, 54.0562**, and **17.0874, 17.0843, 9.7941** is the 20% darker color. If you saturate the color by 10%, you get **35.4651, 35.3513, 19.4509**, and if you desaturate by 10%, it is **40.8191, 42.0705, 33.5322**.

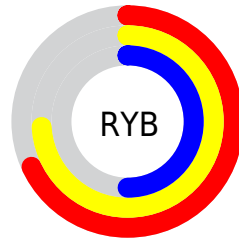
# Distribution



Red (74%)

Green (64%)

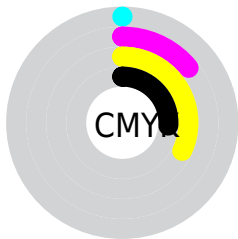
Blue (50%)



Red (68%)

Yellow (74%)

Blue (50%)

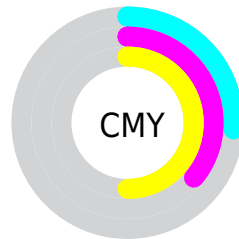


Cyan (0%)

Magenta (14%)

Yellow (32%)

Black (26%)



Cyan (26%)

Magenta (36%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9797, 38.5717, 25.8654 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 37.9797, 38.5717, 25.8654 by changing the saturation by 10% instead.





 37.9797, 38.5717,  
25.8654


 37.9797, 38.5717,  
25.8654


328.8152,  
340.0661, 295.7051


 26.1441, 26.4267,  
16.4981


 71.3811, 72.9836,  
54.0391

 17.0647, 17.1431,  
9.7192


 93.6776, 96.0192,  
73.6827

 10.3762, 10.3366,  
5.1100


 120.1918,  
123.4539, 97.5887

 5.7133, 5.6227,  
2.2521

151.2890,  
155.6719, 126.1758

 2.7105, 2.6170,  
0.7042

187.3346,  
193.0578, 159.8624

 1.0026, 0.9352,  
0.0000

228.6939,

 0.0000, 0.0000,

235.9958, 199.0671

0.0000

275.7324,  
284.8705, 244.2085

■ 37.9797, 38.5717,  
25.8654

■ 37.9797, 38.5717,  
25.8654

■ 35.4651, 35.3513,  
19.4509

■ 40.8191, 42.0705,  
33.5322

■ 33.2579, 32.3956,  
14.2180

■ 43.9939, 45.8505,  
42.5123

■ 31.3430, 29.6970,  
10.0922


■ 47.5177, 49.9210,  
52.8651


■ 29.7029, 27.2459,  
6.9899


■ 51.4026, 54.2893,  
64.6461

■ 28.3177, 25.0312,  
4.8149


■ 55.6598, 58.9625,  
77.9074

 27.1638, 23.0404,  
3.4527

 60.3002, 63.9470,  
92.6987

 26.3970, 21.6404,  
2.7857

 64.4685, 68.9034,  
104.5096

 66.6259, 73.2181,  
105.2287

 68.8864, 77.7391,  
105.9822

# Harmonies

## Analogous

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



41.2506, 38.5717, 29.1706



37.9797, 38.5717, 25.8654



34.5497, 38.5717, 26.3407

# Triad

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



37.9797, 38.5717, 25.8654



30.6835, 38.5717, 48.4720



41.9278, 38.5717, 55.9370

# Complementary

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



37.9797, 38.5717, 25.8654



29.6426, 31.3735, 52.6374

# 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.



38.8571, 38.5717, 62.8817



37.9797, 38.5717, 25.8654



32.4255, 38.5717, 58.1232

# Square

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



37.9797, 38.5717, 25.8654



30.4816, 38.5717, 38.3759



35.3737, 38.5717, 63.7397



43.6243, 38.5717, 45.8412



# Rectangle

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



37.9797, 38.5717, 25.8654



32.6284, 38.5717, 28.7584



35.3737, 38.5717, 63.7397



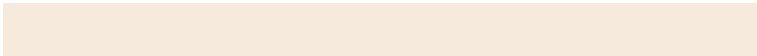
41.0134, 38.5717, 58.7814

# Sweetspot

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



37.9807, 38.5735, 25.8662



80.0747, 83.6160, 79.8517



34.5746, 28.6051, 34.4608



17.0359, 17.7666, 16.6385



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



37.9807, 38.5735, 25.8662



64.6574, 64.7968, 37.6705



42.0855, 48.2597, 27.5195



9.9724, 10.4207, 10.0624



17.8378, 14.7144, 1.9000



0.7623, 0.7036, 0.0956



# Inverse Universe

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



29.6426, 31.3735, 52.6374



47.3218, 49.8339, 93.3510



26.4310, 24.0239, 51.3881



9.3418, 9.8758, 12.0861



8.2097, 6.5312, 33.2208



0.3865, 0.3857, 1.3229



# Previews

## White Background



This preview shows how the XYZ color 37.9797, 38.5717, 25.8654 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 37.9797, 38.5717, 25.8654 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

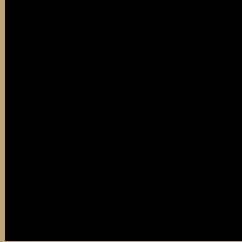
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 37.9797, 38.5717, 25.8654

## Background



This preview shows how black text looks on a background with the XYZ color 37.9797, 38.5717, 25.8654.



This preview shows how white text looks on a background with the XYZ color 37.9797, 38.5717,

25.8654.

# 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

37.9797, 38.5717, 25.8654

### Protanopia

36.2081, 38.7141, 26.6833

### Deuteranopia

39.2982, 38.4624, 26.1216



## Tritanopia

41.5608, 38.4856, 43.2682

# Trichromacy



## Original Color

37.9797, 38.5717, 25.8654

## Protanomaly

36.8901, 38.8025, 26.3142

## Deuteranomaly

38.6996, 38.4122, 26.1435

## Tritanomaly

40.0528, 38.3693, 36.3054

# Monochromacy



## Original Color

37.9797, 38.5717, 25.8654

## Achromatopsia

36.7301, 38.6429, 42.0822

## Achromatomaly

37.0652, 38.6863, 35.6506

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.9797, 38.5717, 25.8654 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(189, 163, 128)` looks like.

```
.text, #text, p{  
    color:rgb(189, 163, 128)  
}
```

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(189, 163, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 163, 128) }
```

## Border

The CSS property to change the border of an element to XYZ 37.9797, 38.5717, 25.8654 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(189, 163, 128) }
```



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

```
.border{ border-color:rgb(189, 163, 128) }
```

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

Here you see how a box with a 4 pixel rgb(189, 163, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 163, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 163, 128);  
box-shadow:4px 4px 4px 4px rgb(189, 163,  
128) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.9797, 38.5717, 25.8654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 163, 128) }
```

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

```
.background{ background-color: rgb(189,  
163, 128) }
```

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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