

# Converting Colors

XYZ(38.1853, 35.6782, 20.0570)

Have a look what the booklet for  
XYZ(38.1853, 35.6782, 20.0570)  
contains.

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# Color

**XYZ(38.2930, 35.8375,  
19.9380)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CA976F
RGB	202, 151, 111
RGB Percent	79%, 59%, 44%
CMY	0.2078, 0.4078, 0.5647
CMYK	0.00, 0.25, 0.45, 0.21
HSL	26°, 46%, 61%
HSV	26°, 45%, 79%
XYZ	38.2930, 35.8375, 19.9380
YIQ	161.6890, 43.2360, -1.6280

# Conversions

## Conversions Part 2

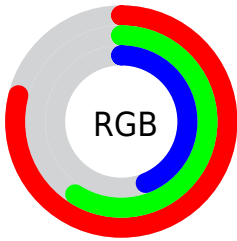
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	202, 182, 111
Decimal	13277039
CIE <sub>Lab</sub>	66.40, 14.13, 28.49
CIE <sub>LCh</sub>	66, 31.803, 63.614
Yxy	35.8375, 0.4071, 0.3810
Android (android.graphics.Color)	4291467119 (0xFFCA976F)
YUV	161.6890, -24.9897, 35.3527
Hunter-Lab	59.8644, 9.4169, 22.1584

# Details

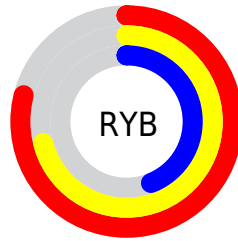
The XYZ color **38.2930, 35.8375, 19.9380** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **30.1360, 33.4831, 60.7516**, and the grayscale version is **34.2970, 36.0831, 39.2945**.

A 20% lighter version of the original color is **69.6822, 67.5670, 44.0194**, and **17.3084, 15.5842, 6.7984** is the 20% darker color. If you saturate the color by 10%, you get **35.5691, 31.9728, 14.1494**, and if you desaturate by 10%, it is **41.4452, 40.1561, 27.1109**.

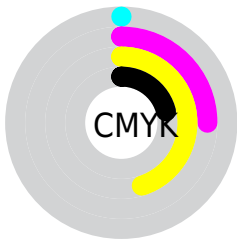
# Distribution



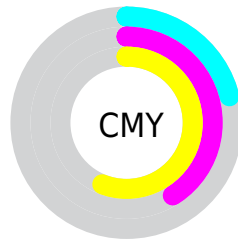
- Red (79%)
- Green (59%)
- Blue (44%)



- Red (79%)
- Yellow (71%)
- Blue (44%)



- Cyan (0%)
- Magenta (25%)
- Yellow (45%)
- Black (21%)




- Cyan (21%)
- Magenta (41%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2930, 35.8375, 19.9380 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 38.2930, 35.8375, 19.9380 by changing the saturation by 10% instead.





 38.2930, 35.8375,  
19.9380


 38.2930, 35.8375,  
19.9380

330.1344,  
328.2497, 264.1724


 26.3884, 24.3087,  
12.1664


 71.8580, 68.7812,  
44.1708


 17.2486, 15.5628,  
6.7332


 94.2492, 90.9649,  
61.4691

 10.5083, 9.2153,  
3.2199


 120.8665,  
117.4690, 82.7799

 5.8021, 4.8819,  
1.2080

 152.0755,  
148.6779, 108.5220

 2.7646, 2.1781,  
0.0000

188.2414,  
184.9761, 139.1137

 1.0306, 0.7080,  
0.0000

229.7296,

 0.0000, 0.0000,

226.7478, 174.9736

0.0000

276.9055,  
274.3776, 216.5204

■ 38.2930, 35.8375,  
19.9380

■ 38.2930, 35.8375,  
19.9380

■ 35.5691, 31.9728,  
14.1494

■ 41.4452, 40.1561,  
27.1109

■ 33.2486, 28.5403,  
9.6508

■ 45.0432, 44.9391,  
35.7495

■ 31.3081, 25.5236,  
6.3397


■ 49.1069, 50.2031,  
45.9313


■ 29.7199, 22.9030,  
4.0961


■ 53.6538, 55.9620,  
57.7278


■ 28.4508, 20.6563,  
2.7747


■ 58.7005, 62.2293,  
71.2059

 27.9130, 19.6683,  
2.3252

 64.2630, 69.0178,  
86.4288

 70.3563, 76.3400,  
103.4562

 74.0296, 83.0217,  
106.7307

 77.4958, 89.9539,  
107.8861

# Harmonies

## Analogous

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



42.2652, 35.8375, 26.2368



38.2930, 35.8375, 19.9380



33.4888, 35.8375, 18.2750

# Triad

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



38.2930, 35.8375, 19.9380



25.7220, 35.8375, 40.6965



39.3835, 35.8375, 65.1666

# Complementary

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



38.2930, 35.8375, 19.9380



30.1360, 33.4831, 60.7516

# 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.



34.6426, 35.8375, 71.4537



38.2930, 35.8375, 19.9380



26.9963, 35.8375, 55.4011

# Square

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



38.2930, 35.8375, 19.9380



26.5052, 35.8375, 28.4949



30.1556, 35.8375, 67.5199



42.9348, 35.8375, 51.8643



# Rectangle

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



38.2930, 35.8375, 19.9380



30.5269, 35.8375, 19.5976



30.1556, 35.8375, 67.5199



37.8610, 35.8375, 68.2948

# Sweetspot

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



38.2939, 35.8392, 19.9387



83.7724, 85.8036, 79.3716



36.6138, 26.5546, 37.6432



17.5906, 17.9297, 16.1217



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.



38.2939, 35.8392, 19.9387



60.3560, 54.3264, 24.2272



46.9513, 53.1540, 22.8245



11.6114, 12.0117, 11.7859



18.0472, 12.8274, 1.5247



1.0062, 0.8120, 0.1037



# Inverse Universe

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



30.1360, 33.4831, 60.7516



44.8221, 49.8139, 101.8604



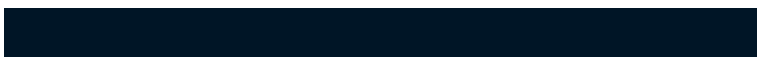
23.5856, 20.3823, 58.5681



11.1145, 11.8694, 14.2756



10.7642, 10.5524, 37.4258



0.6301, 0.6940, 1.9557



# Previews

## White Background



This preview shows how the XYZ color 38.2930, 35.8375, 19.9380 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

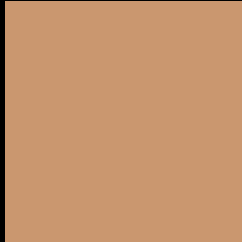
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.2930, 35.8375, 19.9380 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

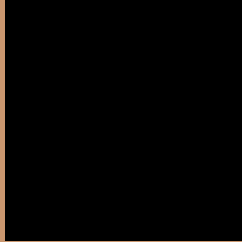
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 38.2930, 35.8375, 19.9380**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.2930, 35.8375, 19.9380.



This preview shows how white text looks on a background with the XYZ color 38.2930, 35.8375,

19.9380.

# 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

38.2930, 35.8375, 19.9380

### Protanopia

33.4704, 36.0771, 21.4192

### Deuteranopia

36.5281, 35.9059, 19.7571



## Tritanopia

41.5797, 35.7729, 36.1659

# Trichromacy



## Original Color

38.2930, 35.8375, 19.9380

## Protanomaly

35.0313, 35.8590, 20.9947

## Deuteranomaly

37.1350, 35.9728, 19.7381

## Tritanomaly

40.3442, 35.7400, 29.5831

# Monochromacy



## Original Color

38.2930, 35.8375, 19.9380

## Achromatopsia

34.3422, 36.1307, 39.3463

## Achromatomaly

35.3162, 35.7840, 31.0322

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.2930, 35.8375, 19.9380 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(202, 151, 111)` looks like.

```
.text, #text, p{  
    color:rgb(202, 151, 111)  
}
```

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(202, 151, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 151, 111) }
```

## Border

The CSS property to change the border of an element to XYZ 38.2930, 35.8375, 19.9380 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(202, 151, 111) }
```



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

```
.border{ border-color:rgb(202, 151, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 151, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 151, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 151, 111);  
box-shadow:4px 4px 4px 4px rgb(202, 151,  
111) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.2930, 35.8375, 19.9380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 151, 111) }
```

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

```
.background{ background-color: rgb(202,  
151, 111) }
```

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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