

Converting Colors

XYZ(38.9200, 35.1229, 15.8751)

Have a look what the booklet for
XYZ(38.9200, 35.1229, 15.8751)
contains.

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Color

**XYZ(38.9685, 35.1039,
15.7882)**

Conversions

Conversions Part 1

Format	Color
Hex	D29260
RGB	210, 146, 96
RGB Percent	82%, 57%, 38%
CMY	0.1765, 0.4274, 0.6235
CMYK	0.00, 0.30, 0.54, 0.18
HSL	26°, 56%, 60%
HSV	26°, 54%, 82%
XYZ	38.9685, 35.1039, 15.7882
YIQ	159.4360, 54.1940, -1.9820

Conversions

Conversions Part 2

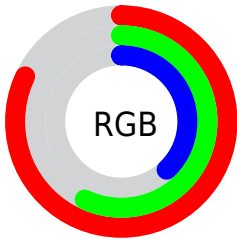
Format	Color
R _Y B	210, 185, 96
Decimal	13800032
CIE Lab	65.83, 18.73, 36.01
CIE LCh	66, 40.594, 62.519
Yxy	35.1039, 0.4337, 0.3906
Android (android.graphics.Color)	4291990112 (0xFFD29260)
YUV	159.4360, -31.2739, 44.3446
Hunter-Lab	59.2485, 13.7167, 25.6747

Details

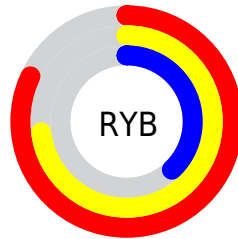
The XYZ color **38.9685, 35.1039, 15.7882** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **29.0268, 32.2800, 65.6732**, and the grayscale version is **33.2766, 35.0096, 38.1255**.

A 20% lighter version of the original color is **67.1607, 64.6751, 36.5476**, and **17.5746, 15.0732, 4.7794** is the 20% darker color. If you saturate the color by 10%, you get **36.4034, 31.3199, 10.7836**, and if you desaturate by 10%, it is **41.9810, 39.3695, 22.2165**.

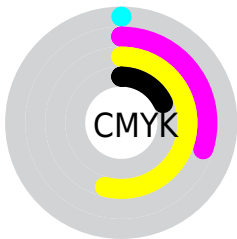
Distribution



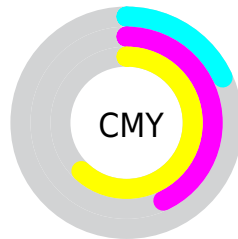
- Red (82%)
- Green (57%)
- Blue (38%)



- Red (82%)
- Yellow (73%)
- Blue (38%)



- Cyan (0%)
- Magenta (30%)
- Yellow (54%)
- Black (18%)





- Cyan (18%)
- Magenta (43%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9685, 35.1039, 15.7882 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 38.9685, 35.1039, 15.7882 by changing the saturation by 10% instead.


 38.9685, 35.1039,
15.7882


 38.9685, 35.1039,
15.7882

332.9660,
325.0267, 239.8916


 26.9158, 23.7429,
9.2217


 72.8846, 67.6467,
36.9918


 17.6463, 15.1430,
4.7873


 95.4787, 89.5973,
52.4659

 10.7945, 8.9198,
2.0664


 122.3173,
115.8466, 71.7463

 5.9951, 4.6889,
0.5957

 153.7659,
146.7789, 95.2516

 2.8827, 2.0659,
0.0000

190.1897,
182.7787, 123.4002

 1.0920, 0.6454,
0.0000

231.9540,

 0.0185, 0.0000,

224.2303, 156.6107

0.0000

279.4244,
271.5182, 195.3016

■ 0.0000, 0.0000,
0.0000

■ 38.9685, 35.1039,
15.7882

■ 38.9685, 35.1039,
15.7882

■ 36.4034, 31.3199,
10.7836

■ 41.9810, 39.3695,
22.2165

■ 34.2564, 27.9925,
7.0878

■ 45.4624, 44.1298,
30.1671

■ 32.4980, 25.1019,
4.5713

■ 49.4358, 49.4037,
39.7319

■ 31.0924, 22.6237,
3.0759

■ 53.9219, 55.2075,
50.9949

■ 30.4152, 21.3757,
2.5229

■ 58.9399, 61.5566,
64.0343

■ 64.5083, 68.4657,
78.9234

■ 70.6442, 75.9490,
95.7313

■ 75.8808, 83.4267,
106.7114

■ 79.4708, 90.6067,
107.9080

Harmonies

Analogous

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



44.0522, 35.1039, 23.0881



38.9685, 35.1039, 15.7882



32.8615, 35.1039, 13.8283

Triad

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



38.9685, 35.1039, 15.7882



23.1289, 35.1039, 39.6905



39.9491, 35.1039, 73.3371

Complementary

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



38.9685, 35.1039, 15.7882



29.0268, 32.2800, 65.6732

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.



33.8740, 35.1039, 81.5648



38.9685, 35.1039, 15.7882



24.5636, 35.1039, 58.8428

Square

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



38.9685, 35.1039, 15.7882



24.1531, 35.1039, 24.9296



28.3266, 35.1039, 75.5988



44.6643, 35.1039, 55.5576

Rectangle

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



38.9685, 35.1039, 15.7882



29.1448, 35.1039, 15.1280



28.3266, 35.1039, 75.5988



37.9745, 35.1039, 77.5169

Sweetspot

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



38.9693, 35.1056, 15.7889



82.2870, 83.8928, 75.6083



37.1590, 24.6267, 36.3287



17.2952, 17.5476, 15.3799



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.



38.9693, 35.1056, 15.7889



55.9660, 47.8102, 15.7849



49.9040, 56.9750, 19.4338



12.2293, 12.6493, 12.4090



18.6494, 13.2318, 1.5711



1.1211, 0.8966, 0.1140

Inverse Universe

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



29.0268, 32.2800, 65.6732



38.9824, 42.9333, 100.8401



21.3671, 16.9606, 63.1200



11.7063, 12.5028, 15.0400



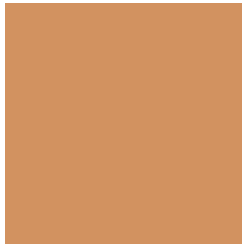
11.1411, 10.9288, 38.7148



0.7012, 0.7677, 2.1908

Previews

White Background



This preview shows how the XYZ color 38.9685, 35.1039, 15.7882 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 38.9685, 35.1039, 15.7882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

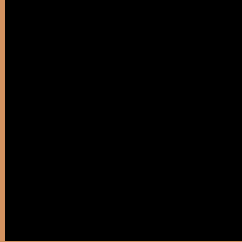
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.9685, 35.1039, 15.7882

Background



This preview shows how black text looks on a background with the XYZ color 38.9685, 35.1039, 15.7882.



This preview shows how white text looks on a background with the XYZ color 38.9685, 35.1039,

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

38.9685, 35.1039, 15.7882

Protanopia

32.5990, 35.1952, 17.3871

Deuteranopia

35.9625, 35.2108, 15.7274



Tritanopia

42.4692, 34.9634, 33.3644

Trichromacy



Original Color

38.9685, 35.1039, 15.7882

Protanomaly

34.7125, 35.0349, 16.7372

Deuteranomaly

36.7913, 34.9183, 15.6273

Tritanomaly

41.1428, 35.1038, 25.7263

Monochromacy



Original Color

38.9685, 35.1039, 15.7882

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

34.3596, 34.3538, 28.1125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9685, 35.1039, 15.7882 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(210, 146, 96)` looks like.

```
.text, #text, p{  
    color:rgb(210, 146, 96)  
}
```

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(210, 146, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 146, 96) }
```

Border

The CSS property to change the border of an element to XYZ 38.9685, 35.1039, 15.7882 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(210, 146, 96) }
```


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

```
.border{ border-color:rgb(210, 146, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 146, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 146, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 146, 96);  
box-shadow:4px 4px 4px 4px rgb(210, 146,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9685, 35.1039, 15.7882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 146, 96) }
```

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

```
.background{ background-color: rgb(210,  
146, 96) }
```

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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