

# Converting Colors

XYZ(39.0694, 35.7175, 29.2619)

Have a look what the booklet for  
XYZ(39.0694, 35.7175, 29.2619)  
contains.

<b>XYZ(39.1197, 35.8189, 29.2780)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(39.1197, 35.8189,  
29.2780)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C7968B
RGB	199, 150, 139
RGB Percent	78%, 59%, 55%
CMY	0.2196, 0.4117, 0.4549
CMYK	0.00, 0.25, 0.30, 0.22
HSL	11°, 35%, 66%
HSV	11°, 30%, 78%
XYZ	39.1197, 35.8189, 29.2780
YIQ	163.3970, 32.7350, 6.9670

# Conversions

## Conversions Part 2

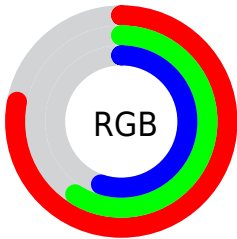
Format	Color
R <sub>Y</sub> B	199, 152, 139
Decimal	13080203
CIE Lab	66.38, 16.83, 12.95
CIE LCh	66, 21.237, 37.566
Yxy	35.8189, 0.3754, 0.3437
Android (android.graphics.Color)	4291270283 (0xFFC7968B)
YUV	163.3970, -12.0277, 31.2238
Hunter-Lab	59.8489, 11.9394, 12.8896

# Details

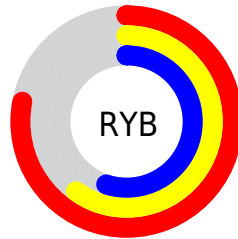
The XYZ color **39.1197, 35.8189, 29.2780** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **38.9388, 45.5773, 60.7778**, and the grayscale version is **35.0455, 36.8706, 40.1521**.

A 20% lighter version of the original color is **72.3473, 68.2515, 59.2299**, and **17.7666, 15.5742, 11.5209** is the 20% darker color. If you saturate the color by 10%, you get **35.3803, 30.4590, 21.4991**, and if you desaturate by 10%, it is **43.4853, 42.0073, 38.5722**.

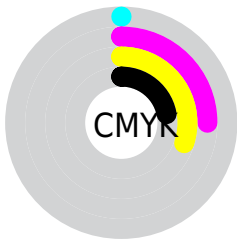
# Distribution



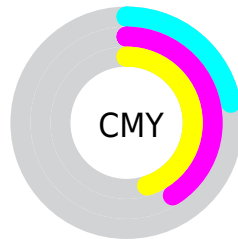
- Red (78%)
- Green (59%)
- Blue (55%)



- Red (78%)
- Yellow (60%)
- Blue (55%)



- Cyan (0%)
- Magenta (25%)
- Yellow (30%)
- Black (22%)




- Cyan (22%)
- Magenta (41%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.1197, 35.8189, 29.2780 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 39.1197, 35.8189, 29.2780 by changing the saturation by 10% instead.





 39.1197, 35.8189,  
29.2780


 39.1197, 35.8189,  
29.2780


333.5975,  
328.1683, 312.6263


 27.0340, 24.2944,  
19.0438


 73.1140, 68.7525,  
59.5659

 17.7355, 15.5521,  
11.5248


 95.7534, 90.9303,  
80.4568

 10.8588, 9.2078,  
6.3024


 122.6414,  
117.4279, 105.7369

 6.0385, 4.8770,  
2.9581

154.1433,  
148.6299, 135.8249

 2.9094, 2.1753,  
1.0733

190.6245,  
184.9205, 171.1393

 1.1060, 0.7065,  
0.0000

232.4504,

 0.0302, 0.0000,

226.6842, 212.0987

0.0000

279.9863,  
274.3053, 259.1215

■ 0.0000, 0.0000,  
0.0000

■ 39.1197, 35.8189,  
29.2780

■ 39.1197, 35.8189,  
29.2780

■ 35.3803, 30.4590,  
21.4991

■ 43.4853, 42.0073,  
38.5722

■ 32.2352, 25.8873,  
15.1526

■ 48.5015, 49.0522,  
49.4542

■ 29.6539, 22.0679,  
10.1513

■ 54.1946, 56.9864,  
61.9942

■ 27.6019, 18.9597,  
6.3972

■ 60.5889, 65.8396,  
76.2578

■ 26.0408, 16.5180,  
3.7791

■ 67.7073, 75.6402,  
92.3070

■ 24.9265, 14.6924,  
2.1655

■ 75.0191, 86.1940,  
107.2909

■ 24.1992, 13.4342,  
1.3176

■ 77.3632, 90.8821,  
108.0723

# Harmonies

## Analogous

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



40.4660, 35.8189, 36.7425



39.1197, 35.8189, 29.2780



36.4295, 35.8189, 24.9627

# Triad

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



39.1197, 35.8189, 29.2780



28.7052, 35.8189, 32.6984



34.8554, 35.8189, 59.0393

# Complementary

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



39.1197, 35.8189, 29.2780



38.9388, 45.5773, 60.7778

# 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.



31.7665, 35.8189, 57.5080



39.1197, 35.8189, 29.2780



28.3416, 35.8189, 41.3496

# Square

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



39.1197, 35.8189, 29.2780



30.4549, 35.8189, 26.7127



29.4289, 35.8189, 50.6678



37.9063, 35.8189, 54.5754



# Rectangle

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



39.1197, 35.8189, 29.2780



34.3049, 35.8189, 24.0037



29.4289, 35.8189, 50.6678



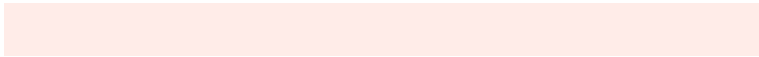
33.7860, 35.8189, 59.2194

# Sweetspot

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



39.1206, 35.8206, 29.2787



85.8827, 87.2293, 88.6916



41.8631, 34.2385, 51.9793



18.0854, 18.2552, 18.3338



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.



39.1206, 35.8206, 29.2787



64.1974, 56.5688, 42.2797



44.5348, 46.6489, 31.0834



10.7886, 10.9464, 11.1070



15.6078, 8.7327, 0.8630



0.7882, 0.5118, 0.0573

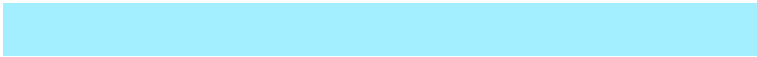


# Inverse Universe

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



38.9388, 45.5773, 60.7778



63.8174, 76.2720, 105.9662



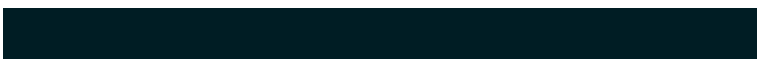
33.1835, 34.0666, 58.8594



10.7749, 11.7239, 13.6125



15.0531, 19.5002, 37.7149

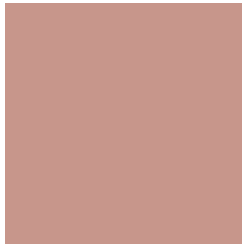


0.7570, 1.0118, 1.8005



# Previews

## White Background



This preview shows how the XYZ color 39.1197, 35.8189, 29.2780 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

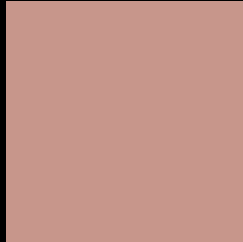
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.1197, 35.8189, 29.2780 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

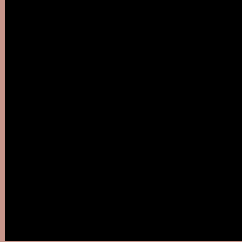
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.1197, 35.8189, 29.2780**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.1197, 35.8189, 29.2780.



This preview shows how white text looks on a background with the XYZ color 39.1197, 35.8189,

29.2780.

# 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

39.1197, 35.8189, 29.2780

### Protanopia

34.2179, 35.9691, 31.9273

### Deuteranopia

36.7256, 36.0510, 29.0676



## Tritanopia

40.6927, 35.7536, 37.1041

# Trichromacy



## Original Color

39.1197, 35.8189, 29.2780

## Protanomaly

35.8373, 35.8004, 31.0079

## Deuteranomaly

37.6289, 36.0225, 29.0145

## Tritanomaly

39.9952, 35.6935, 34.0597

# Monochromacy



## Original Color

39.1197, 35.8189, 29.2780

## Achromatopsia

34.8123, 36.6253, 39.8849

## Achromatomaly

35.9641, 36.0169, 35.6283

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.1197, 35.8189, 29.2780 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(199, 150, 139)` looks like.

```
.text, #text, p{  
    color:rgb(199, 150, 139)  
}
```

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(199, 150, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 150, 139) }
```

## Border

The CSS property to change the border of an element to XYZ 39.1197, 35.8189, 29.2780 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(199, 150, 139) }
```



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

```
.border{ border-color:rgb(199, 150, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 150, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 150, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 150, 139);  
box-shadow:4px 4px 4px 4px rgb(199, 150,  
139) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.1197, 35.8189, 29.2780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 150, 139) }
```

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

```
.background{ background-color: rgb(199,  
150, 139) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor