

# Converting Colors

XYZ(33.9599, 29.2481, 18.3280)

Have a look what the booklet for  
XYZ(33.9599, 29.2481, 18.3280)  
contains.

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# Color

**XYZ(33.9026, 29.2070,  
18.3187)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C5836D
RGB	197, 131, 109
RGB Percent	77%, 51%, 43%
CMY	0.2275, 0.4863, 0.5725
CMYK	0.00, 0.33, 0.45, 0.23
HSL	15°, 43%, 60%
HSV	15°, 45%, 77%
XYZ	33.9026, 29.2070, 18.3187
YIQ	148.2260, 46.3980, 7.1500

# Conversions

## Conversions Part 2

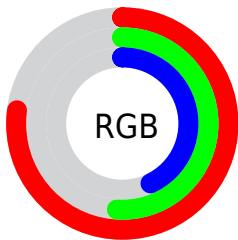
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 138, 109
Decimal	12944237
CIELab	60.96, 22.86, 22.29
CIElCh	61, 31.923, 44.277
Yxy	29.2070, 0.4163, 0.3587
Android (android.graphics.Color)	4291134317 (0xFFC5836D)
YUV	148.2260, -19.3384, 42.7748
Hunter-Lab	54.0435, 17.4006, 17.7334

# Details

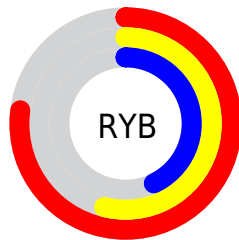
The XYZ color **33.9026, 29.2070, 18.3187** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **31.7141, 37.9410, 58.4752**, and the grayscale version is **28.3080, 29.7822, 32.4328**.

A 20% lighter version of the original color is **64.8135, 58.1142, 41.5193**, and **14.7692, 11.8845, 5.9304** is the 20% darker color. If you saturate the color by 10%, you get **31.1139, 25.1408, 12.7304**, and if you desaturate by 10%, it is **37.2135, 33.9371, 25.2541**.

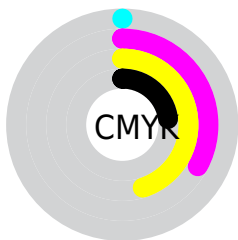
# Distribution



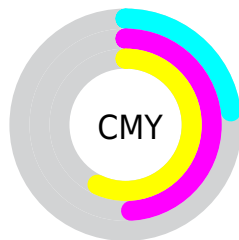
- Red (77%)
- Green (51%)
- Blue (43%)



- Red (77%)
- Yellow (54%)
- Blue (43%)



- Cyan (0%)
- Magenta (33%)
- Yellow (45%)
- Black (23%)




- Cyan (23%)
- Magenta (49%)
- Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9026, 29.2070, 18.3187 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 33.9026, 29.2070, 18.3187 by changing the saturation by 10% instead.





 33.9026, 29.2070,  
18.3187


 33.9026, 29.2070,  
18.3187


311.2911,  
298.1904, 254.9575


 22.9813, 19.2375,  
11.0072


 65.1275, 58.4058,  
41.4009


 14.7003, 11.8420,  
5.9575


 86.1618, 78.4039,  
58.0087

 8.6943, 6.6362,  
2.7509


 111.2978,  
102.5136, 78.5523

 4.5978, 3.2356,  
0.9689

 140.9009,  
131.1193, 103.4504

 2.0456, 1.2560,  
0.0000

175.3364,  
164.6055, 133.1214

 0.6594, 0.1067,  
0.0000

214.9697,

 0.0000, 0.0000,

203.3564, 167.9839

0.0000

260.1662,  
247.7566, 208.4564

■ 33.9026, 29.2070,  
18.3187

■ 33.9026, 29.2070,  
18.3187

■ 31.1139, 25.1408,  
12.7304

■ 37.2135, 33.9371,  
25.2541

■ 28.8171, 21.7038,  
8.3990

■ 41.0700, 39.3550,  
33.6155

■ 26.9821, 18.8649,  
5.2256


■ 45.4971, 45.4888,  
43.4776


■ 25.5744, 16.5880,  
3.0957


■ 50.5171, 52.3635,  
54.9094


■ 24.5533, 14.8329,  
1.8706


■ 56.1514, 60.0030,  
67.9756

 24.1351, 14.0887,  
1.4473

 62.4202, 68.4302,  
82.7373

 69.3428, 77.6668,  
99.2523

 75.0128, 86.9640,  
107.4399

 76.8360, 90.6103,  
108.0476

# Harmonies

## Analogous

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



36.2737, 29.2070, 26.4705



33.9026, 29.2070, 18.3187



29.9892, 29.2070, 14.4298

# Triad

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



33.9026, 29.2070, 18.3187



20.7387, 29.2070, 25.9786



29.7840, 29.2070, 59.6329

# Complementary

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



33.9026, 29.2070, 18.3187



31.7141, 37.9410, 58.4752

# 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.



25.6448, 29.2070, 59.4053



33.9026, 29.2070, 18.3187



20.6956, 29.2070, 37.8041

# Square

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



33.9026, 29.2070, 18.3187



22.5330, 29.2070, 18.0367



22.4088, 29.2070, 50.6664



33.7395, 29.2070, 51.2271



# Rectangle

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



33.9026, 29.2070, 18.3187



27.1670, 29.2070, 13.9655



22.4088, 29.2070, 50.6664



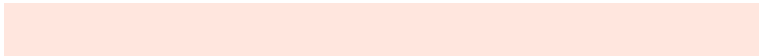
28.3624, 29.2070, 60.6190

# Sweetspot

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



33.9033, 29.2084, 18.3193



82.7402, 83.1969, 80.6996



36.2326, 25.9030, 43.6477



17.3025, 17.2469, 16.3546



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.



33.9033, 29.2084, 18.3193



55.6532, 44.9208, 22.6596



41.1164, 43.6346, 20.7236



10.8458, 11.0607, 11.1261



15.9315, 9.3803, 0.9709



0.8140, 0.5635, 0.0659



# Inverse Universe

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



31.7141, 37.9410, 58.4752



51.1692, 62.5081, 103.9761



24.5013, 23.5154, 56.0709



10.7135, 11.6010, 13.5920



13.6366, 16.6672, 37.2427



0.7006, 0.8991, 1.7818



# Previews

## White Background



This preview shows how the XYZ color 33.9026, 29.2070, 18.3187 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

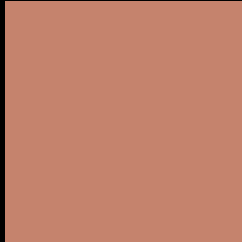
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 33.9026, 29.2070, 18.3187 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

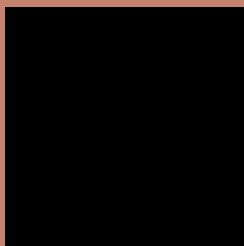
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 33.9026, 29.2070, 18.3187**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.9026, 29.2070, 18.3187.



This preview shows how white text looks on a background with the XYZ color 33.9026, 29.2070,



# 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

33.9026, 29.2070, 18.3187

### Protanopia

27.4907, 29.2965, 20.7289

### Deuteranopia

29.8579, 29.2252, 17.9773



## Tritanopia

35.6579, 29.1270, 27.4096

# Trichromacy



## Original Color

33.9026, 29.2070, 18.3187

## Protanomaly

29.5188, 29.0127, 19.6670

## Deuteranomaly

31.1809, 29.0413, 18.1495

## Tritanomaly

34.8386, 28.9764, 23.8355

# Monochromacy



## Original Color

33.9026, 29.2070, 18.3187

## Achromatopsia

28.1479, 29.6138, 32.2495

## Achromatomaly

29.7020, 29.1742, 26.6200

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.9026, 29.2070, 18.3187 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(197, 131, 109)` looks like.

```
.text, #text, p{  
    color:rgb(197, 131, 109)  
}
```

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(197, 131, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 131, 109) }
```

## Border

The CSS property to change the border of an element to XYZ 33.9026, 29.2070, 18.3187 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(197, 131, 109) }
```



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

```
.border{ border-color:rgb(197, 131, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 131, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 131, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 131, 109);  
box-shadow:4px 4px 4px 4px rgb(197, 131,  
109) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.9026, 29.2070, 18.3187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 131, 109) }
```

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

```
.background{ background-color: rgb(197,  
131, 109) }
```

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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