

# Converting Colors

XYZ(39.5900, 46.5999, 29.8297)

Have a look what the booklet for  
XYZ(39.5900, 46.5999, 29.8297)  
contains.

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# Color

**XYZ(39.5900, 46.5999,  
29.8297)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ADBC87
RGB	173, 188, 135
RGB Percent	68%, 74%, 53%
CMY	0.3216, 0.2627, 0.4706
CMYK	0.08, 0.00, 0.28, 0.26
HSL	77°, 28%, 63%
HSV	77°, 28%, 74%
XYZ	39.5900, 46.5999, 29.8297
YIQ	177.4730, 8.0730, -19.6630

# Conversions

## Conversions Part 2

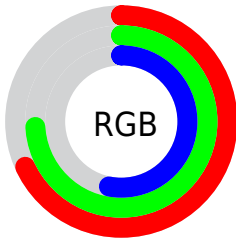
<b>Format</b>	<b>Color</b>
<b>RYB</b>	135, 188, 150
Decimal	11385991
CIELab	73.93, -14.23, 25.16
CIELCh	74, 28.908, 119.495
Yxy	46.5999, 0.3412, 0.4017
Android (android.graphics.Color)	4289576071 (0xFFADBC87)
YUV	177.4730, -20.9392, -3.9228
Hunter-Lab	68.2641, -15.9405, 21.8766

# Details

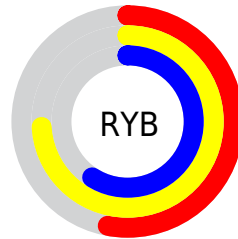
The XYZ color **39.5900, 46.5999, 29.8297** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **30.3205, 27.4440, 51.2786**, and the grayscale version is **42.1436, 44.3384, 48.2845**.

A 20% lighter version of the original color is **73.8491, 85.0335, 60.6650**, and **18.0494, 21.9769, 11.8850** is the 20% darker color. If you saturate the color by 10%, you get **37.2284, 45.5236, 23.4092**, and if you desaturate by 10%, it is **42.2346, 47.7980, 37.4855**.

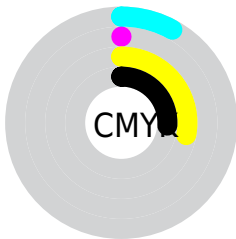
# Distribution



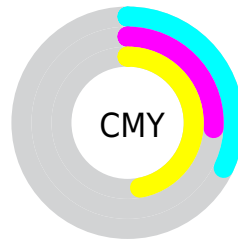
- Red (68%)
- Green (74%)
- Blue (53%)



- Red (53%)
- Yellow (74%)
- Blue (59%)



- Cyan (8%)
- Magenta (0%)
- Yellow (28%)
- Black (26%)




- Cyan (32%)
- Magenta (26%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.5900, 46.5999, 29.8297 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 39.5900, 46.5999, 29.8297 by changing the saturation by 10% instead.




 39.5900, 46.5999,  
29.8297


 39.5900, 46.5999,  
29.8297


335.5566,  
373.2152, 315.2924


 27.4018, 32.7195,  
19.4584


 73.8271, 85.1161,  
60.4506

 18.0134, 21.9116,  
11.8218


 96.6067, 110.5206,  
81.5372

 11.0593, 13.7920,  
6.5014


 123.6475,  
140.5354, 107.0328

 6.1743, 7.9761,  
3.0786

155.3148,  
175.5446, 137.3557

 2.9930, 4.0797,  
1.1349

191.9740,  
215.9329, 172.9246

 1.1501, 1.7182,  
0.0000

233.9905,

 0.0664, 0.4354,

262.0844, 214.1580

0.0000

281.7296,  
314.3838, 261.4744

■ 0.0000, 0.0000,  
0.0000

■ 39.5900, 46.5999,  
29.8297

■ 39.5900, 46.5999,  
29.8297

■ 37.2284, 45.5236,  
23.4092

■ 42.2346, 47.7980,  
37.4855

■ 35.1335, 44.5577,  
18.1563

■ 45.1707, 49.1166,  
46.4335

■ 33.2924, 43.6986,  
14.0011


■ 48.4105, 50.5622,  
56.7310


■ 31.6897, 42.9402,  
10.8654


■ 51.9646, 52.1391,  
68.4308


■ 30.3081, 42.2753,  
8.6603


■ 55.8430, 53.8514,  
81.5827


 29.1272, 41.6958,  
7.2821


 60.0552, 55.7030,  
96.2344

 28.1151, 41.1889,  
6.5660

 62.6849, 56.9273,  
102.2920

 27.9413, 41.1014,  
6.4607

 64.2279, 57.7227,  
102.3642

 65.8219, 58.5445,  
102.4388

# Harmonies

## Analogous

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



44.3792, 46.5999, 27.3230



39.5900, 46.5999, 29.8297



36.2910, 46.5999, 37.6540

# Triad

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



39.5900, 46.5999, 29.8297



39.4498, 46.5999, 79.3283



54.9579, 46.5999, 50.9900

# Complementary

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



39.5900, 46.5999, 29.8297



30.3205, 27.4440, 51.2786

# 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.



53.3897, 46.5999, 66.5514



39.5900, 46.5999, 29.8297



44.2045, 46.5999, 84.7368

# Square

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



39.5900, 46.5999, 29.8297



36.2146, 46.5999, 66.0335



49.3519, 46.5999, 79.6658



53.4887, 46.5999, 38.0103



# Rectangle

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



39.5900, 46.5999, 29.8297



35.2457, 46.5999, 45.7391



49.3519, 46.5999, 79.6658



54.7668, 46.5999, 56.0915

# Sweetspot

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



39.5912, 46.6020, 29.8307



81.8952, 89.0273, 84.2564



35.8824, 33.9791, 27.5897



17.4308, 19.0641, 17.5586



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.



39.5912, 46.6020, 29.8307



68.9669, 83.1869, 46.4032



34.4564, 43.9549, 29.5904



10.0519, 10.9811, 10.1664



19.0986, 28.0216, 4.4021



0.8091, 1.1291, 0.1753



# Inverse Universe

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



30.3205, 27.4440, 51.2786



49.3339, 42.5994, 91.8485



35.5643, 30.1473, 51.5240



9.2633, 9.3526, 11.9892



7.2516, 3.0244, 32.5945



0.3505, 0.1527, 1.2799



# Previews

## White Background



This preview shows how the XYZ color 39.5900, 46.5999, 29.8297 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 39.5900, 46.5999, 29.8297 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

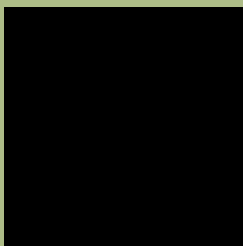
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

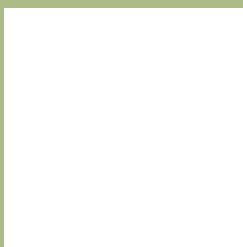
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 39.5900, 46.5999, 29.8297**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.5900, 46.5999, 29.8297.



This preview shows how white text looks on a background with the XYZ color 39.5900, 46.5999,



# 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

39.5900, 46.5999, 29.8297

### Protanopia

43.1944, 46.3158, 28.4930

### Deuteranopia

47.1641, 46.2532, 30.4867



## Tritanopia

45.2276, 46.4064, 58.2033

# Trichromacy



## Original Color

39.5900, 46.5999, 29.8297

## Protanomaly

41.8676, 46.5392, 28.9666

## Deuteranomaly

43.9242, 46.0521, 30.2408

## Tritanomaly

42.8364, 46.3491, 46.2237

# Monochromacy



## Original Color

39.5900, 46.5999, 29.8297

## Achromatopsia

41.7894, 43.9657, 47.8787

## Achromatomaly

40.9500, 44.8865, 40.6881

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.5900, 46.5999, 29.8297 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(173, 188, 135)` looks like.

```
.text, #text, p{  
    color:rgb(173, 188, 135)  
}
```

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(173, 188, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 188, 135) }
```

## Border

The CSS property to change the border of an element to XYZ 39.5900, 46.5999, 29.8297 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(173, 188, 135) }
```



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

```
.border{ border-color:rgb(173, 188, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 188, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 188, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 188, 135);  
box-shadow:4px 4px 4px 4px rgb(173, 188,  
135) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.5900, 46.5999, 29.8297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 188, 135) }
```

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

```
.background{ background-color: rgb(173,  
188, 135) }
```

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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