

# Converting Colors

XYZ(39.8144, 47.3036, 28.2109)

Have a look what the booklet for  
XYZ(39.8144, 47.3036, 28.2109)  
contains.

<b>XYZ(39.8983, 47.4373, 28.1725)</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(39.8983, 47.4373,  
28.1725)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEBE82
RGB	174, 190, 130
RGB Percent	68%, 75%, 51%
CMY	0.3176, 0.2549, 0.4902
CMYK	0.08, 0.00, 0.32, 0.25
HSL	76°, 32%, 63%
HSV	76°, 32%, 75%
XYZ	39.8983, 47.4373, 28.1725
YIQ	178.3760, 9.7240, -22.0520

# Conversions

## Conversions Part 2

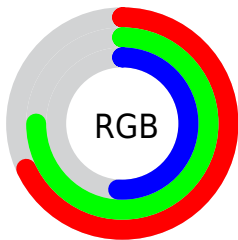
<b>Format</b>	<b>Color</b>
<b>RYB</b>	130, 190, 146
Decimal	11452034
CIELab	74.47, -15.57, 28.54
CIELCh	74, 32.510, 118.624
Yxy	47.4373, 0.3454, 0.4107
Android (android.graphics.Color)	4289642114 (0xFFAE82)
YUV	178.3760, -23.8494, -3.8378
Hunter-Lab	68.8747, -17.1279, 23.9604

# Details

The XYZ color **39.8983, 47.4373, 28.1725** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **29.1328, 25.7952, 52.1614**, and the grayscale version is **42.6360, 44.8564, 48.8486**.

A 20% lighter version of the original color is **74.1361, 86.1534, 57.5216**, and **18.2788, 22.5355, 10.9758** is the 20% darker color. If you saturate the color by 10%, you get **37.6315, 46.4042, 22.0128**, and if you desaturate by 10%, it is **42.4457, 48.5908, 35.5765**.

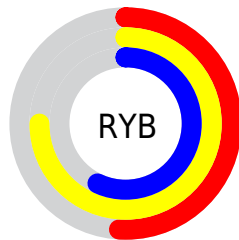
# Distribution



Red (68%)

Green (75%)

Blue (51%)



Red (51%)

Yellow (75%)

Blue (57%)

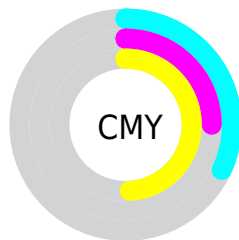


Cyan (8%)

Magenta (0%)

Yellow (32%)

Black (25%)



Cyan (32%)

Magenta (25%)


Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8983, 47.4373, 28.1725 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 39.8983, 47.4373, 28.1725 by changing the saturation by 10% instead.





 39.8983, 47.4373,  
28.1725


 39.8983, 47.4373,  
28.1725


336.8365,  
376.5574, 307.2281


 27.6431, 33.3815,  
18.2156


 74.2939, 86.3660,  
57.7861

 18.1959, 22.4189,  
10.9338


 97.1651, 112.0077,  
78.2799

 11.1913, 14.1650,  
5.9087


 124.3057,  
142.2801, 103.1231

 6.2639, 8.2355,  
2.7218

156.0810,  
177.5677, 132.7341

 3.0484, 4.2460,  
0.9544

192.8563,  
218.2548, 167.5316

 1.1794, 1.8121,  
0.0000

234.9971,

 0.0900, 0.4947,

264.7259, 207.9341

0.0000

282.8687,  
317.3653, 254.3600

■ 0.0000, 0.0000,  
0.0000

■ 39.8983, 47.4373,  
28.1725

■ 39.8983, 47.4373,  
28.1725

■ 37.6315, 46.4042,  
22.0128

■ 42.4457, 48.5908,  
35.5765

■ 35.6282, 45.4798,  
17.0261

■ 45.2824, 49.8634,  
44.2851

■ 33.8749, 44.6601,  
13.1383


■ 48.4214, 51.2619,  
54.3579


■ 32.3552, 43.9387,  
10.2657


■ 51.8735, 52.7907,  
65.8504

■ 31.0505, 43.3080,  
8.3128

■ 55.6491, 54.4540,  
78.8148


 29.9386, 42.7591,  
7.1656

 59.7580, 56.2559,  
93.3005

 29.1164, 42.3460,  
6.6390

 62.8937, 57.6737,  
102.4250

 64.3549, 58.4270,  
102.4934

 65.8622, 59.2040,  
102.5639

# Harmonies

## Analogous

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



45.3590, 47.4373, 25.6246



39.8983, 47.4373, 28.1725



36.1289, 47.4373, 36.5950

# Triad

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



39.8983, 47.4373, 28.1725



39.4676, 47.4373, 84.4222



57.3270, 47.4373, 52.4304

# Complementary

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



39.8983, 47.4373, 28.1725



29.1328, 25.7952, 52.1614

# 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.



55.4171, 47.4373, 70.3567



39.8983, 47.4373, 28.1725



44.8175, 47.4373, 91.1325

# Square

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



39.8983, 47.4373, 28.1725



35.8959, 47.4373, 68.7193



50.7087, 47.4373, 85.5027



55.7284, 47.4373, 37.6727



# Rectangle

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



39.8983, 47.4373, 28.1725



34.9114, 47.4373, 45.5393



50.7087, 47.4373, 85.5027



57.0712, 47.4373, 58.2867

# Sweetspot

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



39.8995, 47.4394, 28.1735



83.3871, 90.9503, 84.4577



35.5450, 33.1181, 25.6387



18.1329, 19.8923, 17.9822



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.8995, 47.4394, 28.1735



69.3572, 84.6213, 42.9699



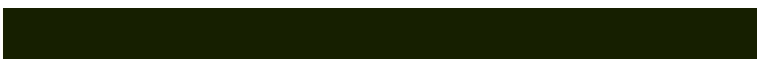
33.9459, 44.3702, 27.8949



10.0672, 10.9891, 10.1671



19.4372, 28.1961, 4.4179



0.8202, 1.1348, 0.1758



# Inverse Universe

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



29.1328, 25.7952, 52.1614



46.7506, 39.1521, 93.3722



35.1830, 28.9142, 52.4445



9.2488, 9.3451, 11.9885



7.1419, 2.9679, 32.5893



0.3442, 0.1495, 1.2796



# Previews

## White Background



This preview shows how the XYZ color 39.8983, 47.4373, 28.1725 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

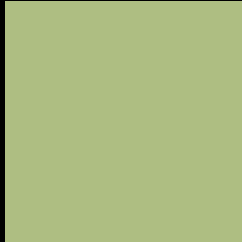
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.8983, 47.4373, 28.1725 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

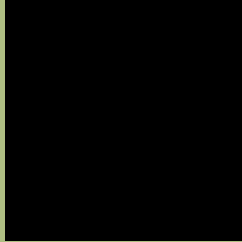
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.8983, 47.4373, 28.1725**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.8983, 47.4373, 28.1725.



This preview shows how white text looks on a background with the XYZ color 39.8983, 47.4373,



# 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

39.8983, 47.4373, 28.1725

### Protanopia

44.0530, 47.4050, 26.9069

### Deuteranopia

48.1789, 47.1051, 28.7432



## Tritanopia

46.2202, 47.5087, 58.9586

# Trichromacy



## Original Color

39.8983, 47.4373, 28.1725

## Protanomaly

42.4415, 47.4951, 27.3527

## Deuteranomaly

44.5735, 46.7260, 28.4995

## Tritanomaly

43.6177, 47.3798, 45.8760

# Monochromacy



## Original Color

39.8983, 47.4373, 28.1725

## Achromatopsia

42.3164, 44.5201, 48.4824

## Achromatomaly

41.2924, 45.3762, 40.3004

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.8983, 47.4373, 28.1725 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(174, 190, 130)` looks like.

```
.text, #text, p{  
    color:rgb(174, 190, 130)  
}
```

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(174, 190, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 190, 130) }
```

## Border

The CSS property to change the border of an element to XYZ 39.8983, 47.4373, 28.1725 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(174, 190, 130) }
```



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

```
.border{ border-color:rgb(174, 190, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 190, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 190, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 190, 130);  
box-shadow:4px 4px 4px 4px rgb(174, 190,  
130) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.8983, 47.4373, 28.1725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 190, 130) }
```

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

```
.background{ background-color: rgb(174,  
190, 130) }
```

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