

# Converting Colors

XYZ(40.3483, 47.0070, 29.1370)

Have a look what the booklet for  
XYZ(40.3483, 47.0070, 29.1370)  
contains.

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# Color

**XYZ(40.3483, 47.0070,  
29.1370)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1BC85
RGB	177, 188, 133
RGB Percent	69%, 74%, 52%
CMY	0.3059, 0.2627, 0.4784
CMYK	0.06, 0.00, 0.29, 0.26
HSL	72°, 29%, 63%
HSV	72°, 29%, 74%
XYZ	40.3483, 47.0070, 29.1370
YIQ	178.4410, 11.0990, -19.4370

# Conversions

## Conversions Part 2

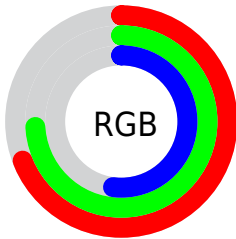
Format	Color
<a href="#">RYB</a>	<a href="#">133, 188, 144</a>
Decimal	<a href="#">11648133</a>
CIELab	<a href="#">74.19, -12.99, 26.63</a>
CIELCh	<a href="#">74, 29.625, 116.006</a>
Yxy	<a href="#">47.0070, 0.3464, 0.4035</a>
Android (android.graphics.Color)	<a href="#">4289838213</a> ( <a href="#">0xFFB1BC85</a> )
YUV	<a href="#">178.4410, -22.4024, -1.2638</a>
Hunter-Lab	<a href="#">68.5617, -14.9362, 22.7964</a>

# Details

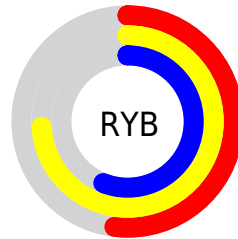
The XYZ color **40.3483, 47.0070, 29.1370** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **28.9681, 26.3365, 51.1363**, and the grayscale version is **42.6626, 44.8844, 48.8791**.

A 20% lighter version of the original color is **74.9246, 85.6129, 59.5897**, and **18.5375, 22.2376, 11.4989** is the 20% darker color. If you saturate the color by 10%, you get **38.3194, 46.0994, 22.8582**, and if you desaturate by 10%, it is **42.6357, 48.0239, 36.6434**.

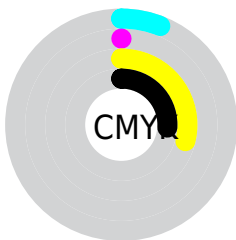
# Distribution



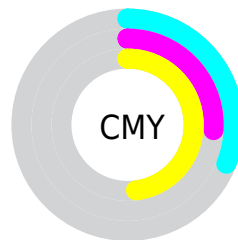
- Red (69%)
- Green (74%)
- Blue (52%)



- Red (52%)
- Yellow (74%)
- Blue (56%)



- Cyan (6%)
- Magenta (0%)
- Yellow (29%)
- Black (26%)



- Cyan (31%)
- Magenta (26%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.3483, 47.0070, 29.1370 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 40.3483, 47.0070, 29.1370 by changing the saturation by 10% instead.



■ 40.3483, 47.0070,  
29.1370

■ 40.3483, 47.0070,  
29.1370

338.6987,  
374.8425, 311.9420

■ 27.9956, 33.0412,  
18.9380

■ 74.9746, 85.7241,  
59.3395

■ 18.4628, 22.1580,  
11.4491

■ 97.9789, 111.2441,  
80.1800

■ 11.3845, 13.9730,  
6.2518

■ 125.2645,  
141.3844, 105.4048

■ 6.3952, 8.1019,  
2.9276

157.1967,  
176.5292, 135.4325

■ 3.1298, 4.1602,  
1.0578

194.1408,  
217.0631, 170.6815

■ 1.2228, 1.7636,  
0.0000

236.4623,

■ 0.1242, 0.4643,

263.3703, 211.5704

0.0000

284.5265,  
315.8353, 258.5177

0.0000, 0.0000,  
0.0000

40.3483, 47.0070,  
29.1370

40.3483, 47.0070,  
29.1370

38.3194, 46.0994,  
22.8582

42.6357, 48.0239,  
36.6434

36.5328, 45.2899,  
17.7386

45.1898, 49.1487,  
45.4348

34.9761, 44.5750,  
13.7078

48.0226, 50.3876,  
55.5687

33.6339, 43.9485,  
10.6866

51.1443, 51.7450,  
67.0982

32.4890, 43.4036,  
8.5848

54.5648, 53.2247,  
80.0736

■ 31.5210, 42.9321,  
7.2965

■ 58.2932, 54.8303,  
94.5426

■ 30.6932, 42.5193,  
6.6295

■ 60.7529, 55.9314,  
102.2016

■ 30.6339, 42.4896,  
6.5867

■ 61.7920, 56.4671,  
102.2502

■ 62.8561, 57.0156,  
102.3000

# Harmonies

## Analogous

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



45.3940, 47.0070, 27.1962



40.3483, 47.0070, 29.1370



36.7342, 47.0070, 36.5079

# Triad

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



40.3483, 47.0070, 29.1370



39.2079, 47.0070, 79.4674



55.6620, 47.0070, 53.2473

# Complementary

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



40.3483, 47.0070, 29.1370



28.9681, 26.3365, 51.1363

# 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.



53.6933, 47.0070, 69.3414



40.3483, 47.0070, 29.1370



43.9711, 47.0070, 86.2603

# Square

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



40.3483, 47.0070, 29.1370



36.1134, 47.0070, 65.1096



49.3085, 47.0070, 82.2309



54.5015, 47.0070, 39.3983



# Rectangle

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



40.3483, 47.0070, 29.1370



35.4827, 47.0070, 44.4298



49.3085, 47.0070, 82.2309



55.3404, 47.0070, 58.5873

# Sweetspot

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



40.3495, 47.0091, 29.1380



81.9484, 89.0930, 82.5257



34.9476, 32.3327, 26.5899



17.4707, 19.0923, 17.2143



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.



40.3495, 47.0091, 29.1380



70.7468, 84.1293, 45.3653



34.7043, 44.0989, 28.8738



10.1302, 11.0215, 10.1701



20.9174, 28.9592, 4.4872



0.8678, 1.1593, 0.1780



# Inverse Universe

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



28.9681, 26.3365, 51.1363



46.8335, 40.6786, 91.6096



34.3700, 29.1212, 51.3891



9.1900, 9.3148, 11.9858



6.7644, 2.7733, 32.5717



0.3187, 0.1363, 1.2784



# Previews

## White Background



This preview shows how the XYZ color 40.3483, 47.0070, 29.1370 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

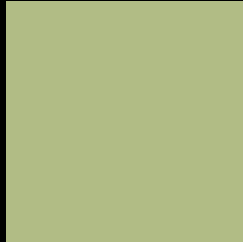
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.3483, 47.0070, 29.1370 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

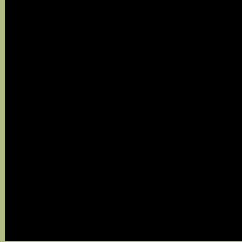
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

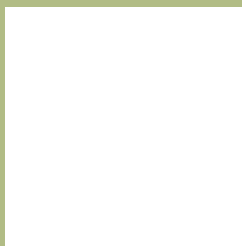
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 40.3483, 47.0070, 29.1370**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.3483, 47.0070, 29.1370.



This preview shows how white text looks on a background with the XYZ color 40.3483, 47.0070,



# 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

40.3483, 47.0070, 29.1370

### Protanopia

43.5222, 46.8034, 27.8592

### Deuteranopia

47.7982, 46.8846, 29.8229



## Tritanopia

46.0664, 46.8518, 57.6543

# Trichromacy



## Original Color

40.3483, 47.0070, 29.1370

## Protanomaly

42.2235, 46.7385, 28.2687

## Deuteranomaly

44.7818, 46.8093, 29.5965

## Tritanomaly

43.6713, 46.7906, 45.7595

# Monochromacy



## Original Color

40.3483, 47.0070, 29.1370

## Achromatopsia

42.3164, 44.5201, 48.4824

## Achromatomaly

41.6096, 45.5295, 40.7774

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.3483, 47.0070, 29.1370 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(177, 188, 133)` looks like.

```
.text, #text, p{  
    color:rgb(177, 188, 133)  
}
```

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(177, 188, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 188, 133) }
```

## Border

The CSS property to change the border of an element to XYZ 40.3483, 47.0070, 29.1370 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(177, 188, 133) }
```



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

```
.border{ border-color:rgb(177, 188, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 188, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 188, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 188, 133);  
box-shadow:4px 4px 4px 4px rgb(177, 188,  
133) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.3483, 47.0070, 29.1370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 188, 133) }
```

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

```
.background{ background-color: rgb(177,  
188, 133) }
```

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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