

# Converting Colors

XYZ(42.1022, 50.4118, 33.9570)

Have a look what the booklet for  
XYZ(42.1022, 50.4118, 33.9570)  
contains.

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# Color

**XYZ(42.0075, 50.3777,  
33.8954)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ADC490
RGB	173, 196, 144
RGB Percent	68%, 77%, 56%
CMY	0.3216, 0.2314, 0.4353
CMYK	0.12, 0.00, 0.27, 0.23
HSL	87°, 31%, 67%
HSV	87°, 27%, 77%
XYZ	42.0075, 50.3777, 33.8954
YIQ	183.1950, 2.9840, -21.0480

# Conversions

## Conversions Part 2

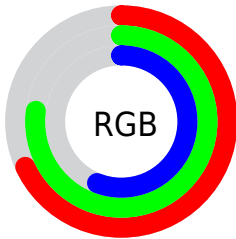
<b>Format</b>	<b>Color</b>
<b>RYB</b>	144, 196, 167
Decimal	11388048
CIELab	76.30, -16.99, 23.59
CIElCh	76, 29.071, 125.754
Yxy	50.3777, 0.3327, 0.3989
Android (android.graphics.Color)	4289578128 (0xFFADC490)
YUV	183.1950, -19.3231, -8.9410
Hunter-Lab	70.9772, -18.5659, 21.3700

# Details

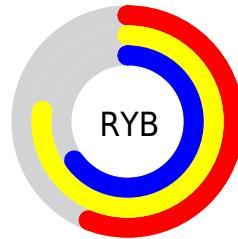
The XYZ color **42.0075, 50.3777, 33.8954** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.8755, 32.1490, 56.5419**, and the grayscale version is **45.2195, 47.5744, 51.8085**.

A 20% lighter version of the original color is **77.6314, 90.9858, 66.8965**, and **19.3945, 24.1294, 13.9912** is the 20% darker color. If you saturate the color by 10%, you get **38.7825, 48.8750, 26.5919**, and if you desaturate by 10%, it is **45.6197, 52.0530, 42.5768**.

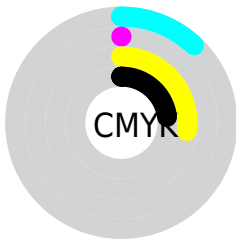
# Distribution



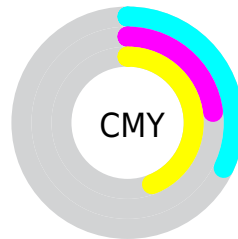
- Red (68%)
- Green (77%)
- Blue (56%)



- Red (56%)
- Yellow (77%)
- Blue (65%)



- Cyan (12%)
- Magenta (0%)
- Yellow (27%)
- Black (23%)




- Cyan (32%)
- Magenta (23%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0075, 50.3777, 33.8954 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 42.0075, 50.3777, 33.8954 by changing the saturation by 10% instead.





 42.0075, 50.3777,  
33.8954

 42.0075, 50.3777,  
33.8954


345.5051,  
388.1411, 334.4203

 29.2983, 35.7136,  
22.5365


 77.4761, 90.7342,  
66.9030

 19.4520, 24.2131,  
14.0496


 100.9661,  
117.1955, 89.3888

 12.1033, 15.4918,  
8.0160


128.7806,  
148.3579, 116.4208

 6.8868, 9.1652,  
4.0173

161.2847,  
184.6058, 148.4173

 3.4371, 4.8491,  
1.6348

198.8438,  
226.3237, 185.7969

 1.3889, 2.1590,  
0.3155

241.8234,

 0.2483, 0.6975,

273.8960, 228.9783

0.0000

290.5887,  
327.7070, 278.3799

■ 0.0000, 0.0000,  
0.0000

■ 42.0075, 50.3777,  
33.8954

■ 42.0075, 50.3777,  
33.8954

■ 38.7825, 48.8750,  
26.5919

■ 45.6197, 52.0530,  
42.5768

■ 35.9250, 47.5317,  
20.5921

■ 49.6300, 53.9005,  
52.6985

■ 33.4192, 46.3430,  
15.8199

■ 54.0534, 55.9282,  
64.3233

■ 31.2465, 45.3010,  
12.1897

■ 58.9033, 58.1415,  
77.5092

■ 29.3860, 44.3972,  
9.6054

■ 64.1920, 60.5458,  
92.3109

■ 27.8138, 43.6216,  
7.9547

■ 68.8498, 62.7134,  
103.0839

■ 26.4993, 42.9617,  
7.0910

■ 71.6225, 64.1427,  
103.2136

■ 26.0844, 42.7521,  
6.8772

■ 74.5344, 65.6439,  
103.3499

■ 77.5876, 67.2178,  
103.4928

# Harmonies

## Analogous

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



46.8378, 50.3777, 30.0503



42.0075, 50.3777, 33.8954



38.9355, 50.3777, 43.4112

# Triad

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



42.0075, 50.3777, 33.8954



43.7002, 50.3777, 87.0807



59.1036, 50.3777, 51.8936

# Complementary

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



42.0075, 50.3777, 33.8954



35.8755, 32.1490, 56.5419

# 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.



58.1048, 50.3777, 68.1463



42.0075, 50.3777, 33.8954



48.9426, 50.3777, 90.5274

# Square

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



42.0075, 50.3777, 33.8954



39.8595, 50.3777, 74.3591



54.2812, 50.3777, 83.0431



56.9157, 50.3777, 39.0961



# Rectangle

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



42.0075, 50.3777, 33.8954



38.1592, 50.3777, 52.6573



54.2812, 50.3777, 83.0431



59.1313, 50.3777, 57.1084

# Sweetspot

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



42.0088, 50.3799, 33.8965



88.6952, 97.0835, 92.3589



41.5343, 41.2179, 32.1531



18.7405, 20.6676, 19.1459



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

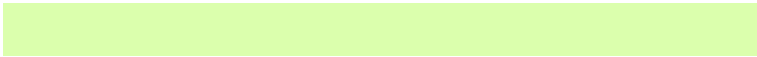


# Same Dimension

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



42.0088, 50.3799, 33.8965



72.5258, 89.5976, 53.2100



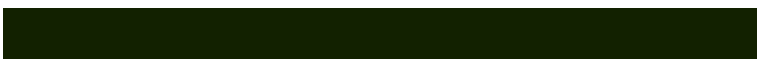
36.8920, 47.7421, 33.6570



10.4695, 11.5295, 10.7355



16.8598, 27.5204, 4.4234



0.8067, 1.2294, 0.1948



# Inverse Universe

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



35.8755, 32.1490, 56.5419



59.5058, 50.8887, 101.2940



41.8125, 35.2096, 56.8197



9.9417, 9.9611, 12.6835



9.0056, 3.9030, 33.8353



0.4682, 0.2094, 1.4656



# Previews

## White Background



This preview shows how the XYZ color 42.0075, 50.3777, 33.8954 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

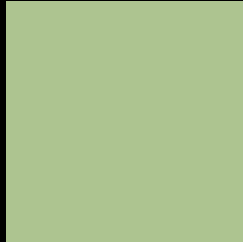
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.0075, 50.3777, 33.8954 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

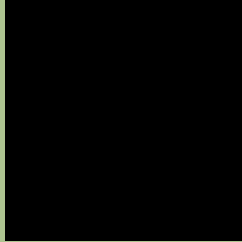
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 42.0075, 50.3777, 33.8954

## Background



This preview shows how black text looks on a background with the XYZ color 42.0075, 50.3777, 33.8954.



This preview shows how white text looks on a background with the XYZ color 42.0075, 50.3777,



# 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

42.0075, 50.3777, 33.8954

### Protanopia

46.8042, 50.2774, 32.0486

### Deuteranopia

51.1029, 49.9647, 34.5545



## Tritanopia

48.0541, 50.2233, 63.6613

# Trichromacy



## Original Color

42.0075, 50.3777, 33.8954

## Protanomaly

44.9244, 50.2611, 32.5329

## Deuteranomaly

47.3758, 49.8896, 34.3268

## Tritanomaly

45.6647, 50.2227, 51.5431

# Monochromacy



## Original Color

42.0075, 50.3777, 33.8954

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

43.7351, 48.4147, 44.5760

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.0075, 50.3777, 33.8954 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, 196, 144)` looks like.

```
.text, #text, p{  
    color:rgb(173, 196, 144)  
}
```

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, 196, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 196, 144) }
```

## Border

The CSS property to change the border of an element to XYZ 42.0075, 50.3777, 33.8954 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, 196, 144) }
```



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

```
.border{ border-color:rgb(173, 196, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 196, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 196, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 196, 144);  
box-shadow:4px 4px 4px 4px rgb(173, 196,  
144) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.0075, 50.3777, 33.8954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 196, 144) }
```

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

```
.background{ background-color: rgb(173,  
196, 144) }
```

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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