

# Converting Colors

XYZ(39.0348, 42.2646, 40.1829)

Have a look what the booklet for  
XYZ(39.0348, 42.2646, 40.1829)  
contains.

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# Color

**XYZ(38.8648, 42.0392,  
40.2484)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACAFA2
RGB	172, 175, 162
RGB Percent	67%, 69%, 64%
CMY	0.3255, 0.3137, 0.3647
CMYK	0.02, 0.00, 0.07, 0.31
HSL	74°, 8%, 66%
HSV	74°, 7%, 69%
XYZ	38.8648, 42.0392, 40.2484
YIQ	172.6210, 2.3850, -4.6790

# Conversions

## Conversions Part 2

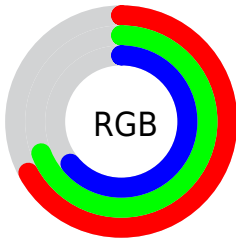
Format	Color
<a href="#">RYB</a>	<a href="#">162, 175, 165</a>
Decimal	<a href="#">11317154</a>
CIELab	<a href="#">70.90, -3.44, 6.29</a>
CIELCh	<a href="#">71, 7.170, 118.711</a>
Yxy	<a href="#">42.0392, 0.3208, 0.3470</a>
Android (android.graphics.Color)	<a href="#">4289507234 (0xFFACAFA2)</a>
YUV	<a href="#">172.6210, -5.2362, -0.5446</a>
Hunter-Lab	<a href="#">64.8376, -6.4699, 8.5817</a>

# Details

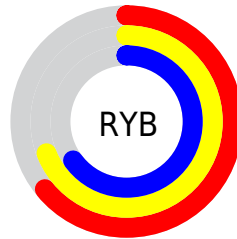
The XYZ color **38.8648, 42.0392, 40.2484** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.1768, 36.9363, 45.7823**, and the grayscale version is **39.5535, 41.6133, 45.3169**.

A 20% lighter version of the original color is **72.4998, 77.9343, 76.8673**, and **17.6432, 19.2848, 17.5443** is the 20% darker color. If you saturate the color by 10%, you get **36.5429, 41.0109, 32.5766**, and if you desaturate by 10%, it is **41.4325, 43.1717, 49.0636**.

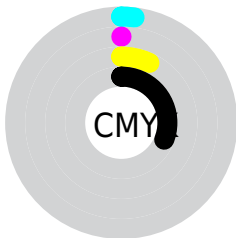
# Distribution



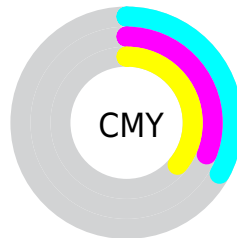
- Red (67%)
- Green (69%)
- Blue (64%)



- Red (64%)
- Yellow (69%)
- Blue (65%)



- Cyan (2%)
- Magenta (0%)
- Yellow (7%)
- Black (31%)




- Cyan (33%)
- Magenta (31%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8648, 42.0392, 40.2484 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 38.8648, 42.0392, 40.2484 by changing the saturation by 10% instead.





 38.8648, 42.0392,  
40.2484


 38.8648, 42.0392,  
40.2484


332.5324,  
354.6454, 362.7526

 26.8348, 29.1320,  
27.4170


 72.7271, 78.2589,  
76.7828

 17.5852, 19.1807,  
17.6515


 95.2902, 102.3403,  
101.3230

 10.7504, 11.8009,  
10.5332

122.0950,  
130.9151, 130.6031

 5.9653, 6.6083,  
5.6437

153.5069,  
164.3678, 165.0418

 2.8645, 3.2183,  
2.5644

189.8912,  
203.0828, 205.0575

 1.0825, 1.2468,  
0.8740

231.6133,

 0.0104, 0.0994,

247.4445, 251.0689

0.0000

279.0386,  
297.8372, 303.4944

■ 0.0000, 0.0000,  
0.0000

■ 38.8648, 42.0392,  
40.2484

■ 38.8648, 42.0392,  
40.2484

■ 36.5429, 41.0109,  
32.5766

■ 41.4325, 43.1717,  
49.0636

■ 34.4543, 40.0776,  
25.9986

■ 44.2513, 44.4064,  
59.0636

■ 32.5903, 39.2372,  
20.4654

■ 47.3303, 45.7484,  
70.2911

■ 30.9405, 38.4855,  
15.9228

■ 50.6774, 47.2008,  
82.7858

■ 29.4935, 37.8180,  
12.3122

■ 54.3001, 48.7667,  
96.5858

■ 28.2366, 37.2295,  
9.5685

■ 56.2117, 49.6513,  
101.2287

■ 27.1557, 36.7143,  
7.6183

■ 57.2792, 50.2016,  
101.2787

■ 26.2344, 36.2658,  
6.3763

■ 58.3752, 50.7667,  
101.3300

■ 25.4476, 35.8741,  
5.7123

■ 59.5000, 51.3465,  
101.3826

# Harmonies

## Analogous

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



40.0087, 42.0392, 39.5129



38.8648, 42.0392, 40.2484



38.0280, 42.0392, 42.4446

# Triad

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



38.8648, 42.0392, 40.2484



38.7771, 42.0392, 51.6221



42.2952, 42.0392, 45.9216

# Complementary

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



38.8648, 42.0392, 40.2484



36.1768, 36.9363, 45.7823

# 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.



41.9501, 42.0392, 49.2721



38.8648, 42.0392, 40.2484



39.9054, 42.0392, 52.6628

# Square

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



38.8648, 42.0392, 40.2484



37.9781, 42.0392, 49.0036



41.0695, 42.0392, 51.7825



42.0035, 42.0392, 42.6886



# Rectangle

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



38.8648, 42.0392, 40.2484



37.7488, 42.0392, 44.4991



41.0695, 42.0392, 51.7825



42.2497, 42.0392, 47.0721

# Sweetspot

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



38.8660, 42.0410, 40.2493



72.0286, 76.3597, 80.3390



37.6243, 38.5680, 39.6444



16.0204, 16.9767, 17.8949



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832



# Same Dimension

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



38.8660, 42.0410, 40.2493



68.8553, 74.9589, 69.5666



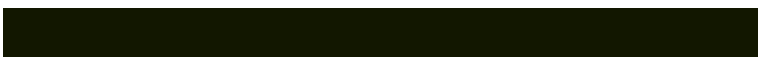
37.5125, 41.3433, 40.1860



8.4791, 9.2356, 8.5491



18.1410, 25.6491, 3.9946



0.5484, 0.7361, 0.1132



# Inverse Universe

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



36.1768, 36.9363, 45.7823



62.9894, 63.8236, 81.6361



37.5232, 37.6304, 45.8453



7.7456, 7.8432, 10.0583



6.2260, 2.5695, 29.2123



0.2205, 0.0959, 0.8149



# Previews

## White Background



This preview shows how the XYZ color 38.8648, 42.0392, 40.2484 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

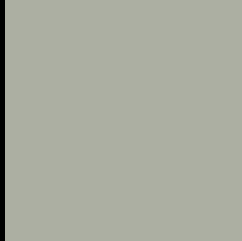
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.8648, 42.0392, 40.2484 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

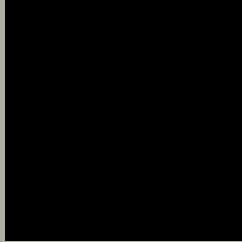
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

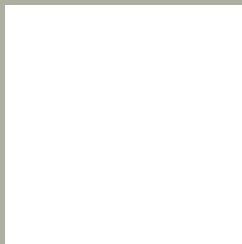
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 38.8648, 42.0392, 40.2484**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.8648, 42.0392, 40.2484.



This preview shows how white text looks on a background with the XYZ color 38.8648, 42.0392,



# 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

38.8648, 42.0392, 40.2484

### Protanopia

39.9670, 42.0441, 39.7270

### Deuteranopia

42.7677, 41.7871, 40.9336



## Tritanopia

41.1887, 42.1218, 51.8584

# Trichromacy



## Original Color

38.8648, 42.0392, 40.2484

## Protanomaly

39.4736, 42.0754, 39.7591

## Deuteranomaly

41.2353, 41.8329, 40.5516

## Tritanomaly

40.3349, 42.0601, 47.5875

# Monochromacy



## Original Color

38.8648, 42.0392, 40.2484

## Achromatopsia

39.7200, 41.7885, 45.5077

## Achromatomaly

39.5311, 42.0209, 43.5635

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.8648, 42.0392, 40.2484 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(172, 175, 162)` looks like.

```
.text, #text, p{  
    color:rgb(172, 175, 162)  
}
```

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(172, 175, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 175, 162) }
```

## Border

The CSS property to change the border of an element to XYZ 38.8648, 42.0392, 40.2484 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(172, 175, 162) }
```



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

```
.border{ border-color:rgb(172, 175, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 175, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 175, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 175, 162);  
box-shadow:4px 4px 4px 4px rgb(172, 175,  
162) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.8648, 42.0392, 40.2484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 175, 162) }
```

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

```
.background{ background-color: rgb(172,  
175, 162) }
```

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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