

# Converting Colors

XYZ(38.6407, 42.8676, 24.0070)

Have a look what the booklet for  
XYZ(38.6407, 42.8676, 24.0070)  
contains.

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# Color

**XYZ(38.6407, 42.8676,  
24.0070)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7B178
RGB	183, 177, 120
RGB Percent	72%, 69%, 47%
CMY	0.2824, 0.3059, 0.5294
CMYK	0.00, 0.03, 0.34, 0.28
HSL	54°, 30%, 59%
HSV	54°, 34%, 72%
XYZ	38.6407, 42.8676, 24.0070
YIQ	172.2960, 21.8730, -16.4550

# Conversions

## Conversions Part 2

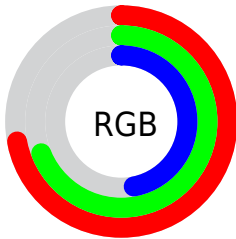
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">127, 183, 120</a>
Decimal	<a href="#">12038520</a>
<a href="#">CIELab</a>	<a href="#">71.47, -6.60, 29.98</a>
<a href="#">CIELCh</a>	<a href="#">71, 30.696, 102.423</a>
<a href="#">Yxy</a>	<a href="#">42.8676, 0.3662, 0.4063</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4290228600 (0xFFB7B178)</a>
<a href="#">YUV</a>	<a href="#">172.2960, -25.7819, 9.3874</a>
<a href="#">Hunter-Lab</a>	<a href="#">65.4734, -9.2322, 24.0916</a>

# Details

The XYZ color **38.6407, 42.8676, 24.0070** is a light color, and the websafe version is hex **999966**. A complement of this color would be **23.7537, 22.3330, 47.8584**, and the grayscale version is **39.4824, 41.5385, 45.2354**.

A 20% lighter version of the original color is **72.6169, 79.8202, 51.1147**, and **17.5242, 19.7893, 8.8573** is the 20% darker color. If you saturate the color by 10%, you get **37.2932, 41.7832, 18.5924**, and if you desaturate by 10%, it is **40.2070, 44.0496, 30.5428**.

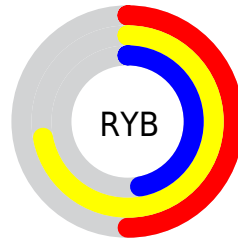
# Distribution



Red (72%)

Green (69%)

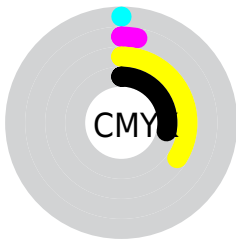
Blue (47%)



Red (50%)

Yellow (72%)

Blue (47%)

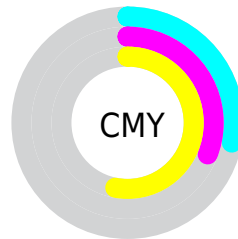


Cyan (0%)

Magenta (3%)

Yellow (34%)

Black (28%)



Cyan (28%)

Magenta (31%)


Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6407, 42.8676, 24.0070 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 38.6407, 42.8676, 24.0070 by changing the saturation by 10% instead.





 38.6407, 42.8676,  
24.0070


 38.6407, 42.8676,  
24.0070


331.5940,  
358.0670, 286.1436


 26.6598, 29.7812,  
15.1266


 72.3867, 79.5110,  
50.9856

 17.4531, 19.6726,  
8.7607


 94.8825, 103.8369,  
69.9208

 10.6554, 12.1573,  
4.4907


 121.6140,  
132.6780, 93.0448

 5.9012, 6.8509,  
1.8982

152.9465,  
166.4189, 120.7759

 2.8252, 3.3690,  
0.4916

189.2454,  
205.4438, 153.5328

 1.0620, 1.3273,  
0.0000

230.8761,

 0.0000, 0.1622,

250.1372, 191.7341

0.0000

278.2038,  
300.8835, 235.7981

■ 0.0000, 0.0000,  
0.0000

■ 38.6407, 42.8676,  
24.0070

■ 38.6407, 42.8676,  
24.0070

■ 37.2932, 41.7832,  
18.5924

■ 40.2070, 44.0496,  
30.5428

■ 36.1491, 40.7857,  
14.2324

■ 42.0002, 45.3278,  
38.2558

■ 35.1962, 39.8716,  
10.8575

■ 44.0316, 46.7084,  
47.2018

■ 34.4195, 39.0349,  
8.3888

■ 46.3110, 48.1954,  
57.4320

■ 33.8017, 38.2687,  
6.7354

■ 48.8476, 49.7923,  
68.9947

■ 33.3218, 37.5646,  
5.7874

■ 51.6502, 51.5028,  
81.9358

■ 33.0893, 37.1891,  
5.4342

■ 54.7271, 53.3301,  
96.2991

■ 56.1954, 54.5213,  
102.1696

■ 56.5773, 55.2851,  
102.2969

# Harmonies

## Analogous

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



43.8244, 42.8676, 24.4354



38.6407, 42.8676, 24.0070



34.3927, 42.8676, 28.6385

# Triad

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



38.6407, 42.8676, 24.0070



33.8305, 42.8676, 68.6642



50.9874, 42.8676, 55.8230

# Complementary

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



38.6407, 42.8676, 24.0070



23.7537, 22.3330, 47.8584

# 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.



47.8336, 42.8676, 71.0354



38.6407, 42.8676, 24.0070



37.8122, 42.8676, 79.4607

# Square

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



38.6407, 42.8676, 24.0070



31.7775, 42.8676, 53.0795



42.9230, 42.8676, 80.4104



51.2569, 42.8676, 40.8086



# Rectangle

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



38.6407, 42.8676, 24.0070



32.5442, 42.8676, 34.6848



42.9230, 42.8676, 80.4104



50.2178, 42.8676, 61.1530

# Sweetspot

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



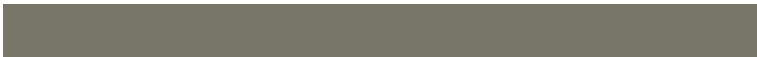
38.6418, 42.8695, 24.0079



76.7185, 82.2121, 75.0657



30.0305, 25.0148, 23.0864



16.8341, 18.0825, 16.0941



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

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



38.6418, 42.8695, 24.0079



67.4179, 75.3516, 35.7705



34.3851, 42.4719, 24.1555



9.6752, 10.3533, 9.5954



23.1110, 25.9984, 3.8001



0.8361, 0.9592, 0.1411



# Inverse Universe

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



23.7537, 22.3330, 47.8584



36.8841, 33.2407, 84.7078



26.9764, 22.8903, 47.7961



8.5880, 8.8533, 11.3357



6.1308, 2.7212, 31.4552



0.2392, 0.1420, 1.1166



# Previews

## White Background



This preview shows how the XYZ color 38.6407, 42.8676, 24.0070 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 38.6407, 42.8676, 24.0070 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

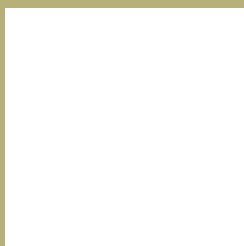
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 38.6407, 42.8676, 24.0070**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.6407, 42.8676, 24.0070.



This preview shows how white text looks on a background with the XYZ color 38.6407, 42.8676,



# 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

38.6407, 42.8676, 24.0070

### Protanopia

39.6460, 42.8107, 23.6265

### Deuteranopia

43.8100, 42.9657, 24.3965



## Tritanopia

43.8667, 42.7005, 50.1860

# Trichromacy



## Original Color

38.6407, 42.8676, 24.0070

## Protanomaly

39.3486, 42.9474, 23.6685

## Deuteranomaly

41.8335, 42.7857, 24.1428

## Tritanomaly

41.5040, 42.5730, 38.8308

# Monochromacy



## Original Color

38.6407, 42.8676, 24.0070

## Achromatopsia

39.2122, 41.2543, 44.9259

## Achromatomaly

38.7903, 41.8021, 36.1611

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.6407, 42.8676, 24.0070 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(183, 177, 120)` looks like.

```
.text, #text, p{  
    color:rgb(183, 177, 120)  
}
```

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(183, 177, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 177, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 38.6407, 42.8676, 24.0070 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(183, 177, 120) }
```



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

```
.border{ border-color:rgb(183, 177, 120) }
```

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

Here you see how a box with a 4 pixel rgb(183, 177, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 177, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 177, 120);  
box-shadow:4px 4px 4px 4px rgb(183, 177,  
120) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.6407, 42.8676, 24.0070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 177, 120) }
```

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

```
.background{ background-color: rgb(183,  
177, 120) }
```

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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