

# Converting Colors

XYZ(40.3497, 32.8157, 71.2252)

Have a look what the booklet for  
XYZ(40.3497, 32.8157, 71.2252)  
contains.

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# Color

**XYZ(40.4651, 32.8751,  
71.2306)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B38ADB
RGB	179, 138, 219
RGB Percent	70%, 54%, 86%
CMY	0.2980, 0.4588, 0.1412
CMYK	0.18, 0.37, 0.00, 0.14
HSL	270°, 53%, 70%
HSV	270°, 37%, 86%
XYZ	40.4651, 32.8751, 71.2306
YIQ	159.4930, -1.5650, 33.8830

# Conversions

## Conversions Part 2

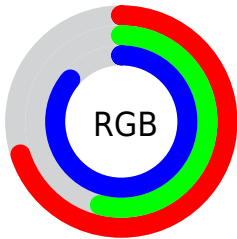
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 138, 219
Decimal	11766491
CIELab	64.06, 31.06, -35.59
CIELCh	64, 47.232, 311.112
Yxy	32.8751, 0.2799, 0.2274
Android (android.graphics.Color)	4289956571 (0xFFB38ADB)
YUV	159.4930, 29.3370, 17.1076
Hunter-Lab	57.3368, 25.6358, -33.5213

# Details

The XYZ color **40.4651, 32.8751, 71.2306** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **48.2798, 61.9637, 33.4616**, and the grayscale version is **33.0516, 34.7728, 37.8676**.

A 20% lighter version of the original color is **71.4917, 62.7521, 102.9521**, and **18.5665, 13.8567, 36.8180** is the 20% darker color. If you saturate the color by 10%, you get **35.2321, 25.9746, 70.1750**, and if you desaturate by 10%, it is **46.5299, 41.1463, 72.5080**.

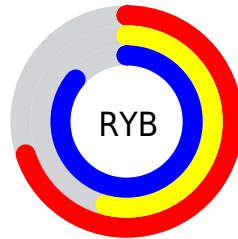
# Distribution



Red (70%)

Green (54%)

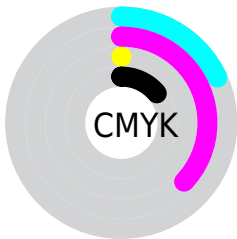
Blue (86%)



Red (70%)

Yellow (54%)

Blue (86%)

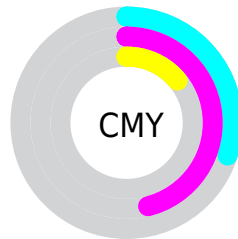


Cyan (18%)

Magenta (37%)

Yellow (0%)

Black (14%)



Cyan (30%)

Magenta (46%)

Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4651, 32.8751, 71.2306 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 40.4651, 32.8751, 71.2306 by changing the saturation by 10% instead.





 40.4651, 32.8751,  
71.2306


 40.4651, 32.8751,  
71.2306


339.1809,  
315.0866, 483.7645


 28.0872, 22.0308,  
52.0474


 75.1511, 64.1805,  
122.6595

 18.5322, 13.8795,  
36.6604


 98.1899, 85.4103,  
155.7424

 11.4347, 8.0369,  
24.6509


 125.5130,  
110.8708, 194.2955

 6.4295, 4.1186,  
15.6005

157.4858,  
140.9463, 238.7375

 3.1511, 1.7401,  
9.0906

194.4736,  
176.0213, 289.4868

 1.2341, 0.4494,  
4.7027

236.8418,

 0.1331, 0.0000,

216.4800, 346.9621

2.0183

284.9558,  
262.7070, 411.5818

■ 0.0000, 0.0000,  
0.5665

■ 0.0000, 0.0000,  
0.0000

■ 40.4651, 32.8751,  
71.2306

■ 40.4651, 32.8751,  
71.2306

■ 35.2321, 25.9746,  
70.1750

■ 46.5299, 41.1463,  
72.5080

■ 30.7846, 20.3618,  
69.3260

■ 53.4626, 50.8565,  
74.0169

■ 27.0769, 15.9508,  
68.6701

■ 61.3009, 62.0744,  
75.7690

■ 24.0560, 12.6431,  
68.1908

■ 70.0793, 74.8628,  
77.7747

■ 21.6607, 10.3237,  
67.8694

■ 79.8304, 89.2810,  
80.0438

■ 19.8123, 8.8429,  
67.6810

■ 85.8166, 95.8481,  
80.9959

■ 19.3234, 8.4845,  
67.6376

■ 89.6780, 97.8387,  
81.1766

■ 89.7863, 97.8945,  
81.1816

# Harmonies

## Analogous

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



33.7853, 32.8751, 85.3126



40.4651, 32.8751, 71.2306



45.0261, 32.8751, 49.0568

# Triad

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



40.4651, 32.8751, 71.2306



35.5870, 32.8751, 11.0700



20.2722, 32.8751, 43.3543

# Complementary

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



40.4651, 32.8751, 71.2306



48.2798, 61.9637, 33.4616

# 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.



20.6116, 32.8751, 25.1692



40.4651, 32.8751, 71.2306



28.8387, 32.8751, 10.4906

# Square

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



40.4651, 32.8751, 71.2306



41.9446, 32.8751, 16.6628



23.5470, 32.8751, 14.6346



22.5427, 32.8751, 65.8000



# Rectangle

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



40.4651, 32.8751, 71.2306



45.9101, 32.8751, 35.0871



23.5470, 32.8751, 14.6346



20.0943, 32.8751, 36.5131

# Sweetspot

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



40.4662, 32.8764, 71.2313



81.8317, 80.8577, 105.9018



39.2885, 42.5590, 73.1623



17.1907, 16.8422, 22.5948



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.



40.4662, 32.8764, 71.2313



51.5534, 39.0284, 99.4238



51.0889, 38.3526, 71.7285



12.9638, 12.9394, 16.4664



11.5845, 5.0962, 40.1115



0.8499, 0.3814, 2.6033



# Inverse Universe

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



46.3386, 36.4525, 46.7140



61.2494, 44.9317, 58.9956



40.4012, 57.9021, 33.0929



13.3228, 13.1582, 14.9609



18.9870, 9.5958, 9.5773

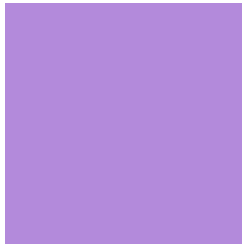


1.2735, 0.6391, 0.8494



# Previews

## White Background



This preview shows how the XYZ color 40.4651, 32.8751, 71.2306 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

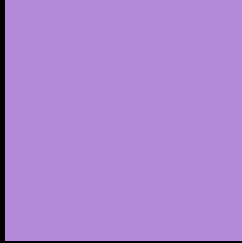
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.4651, 32.8751, 71.2306 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

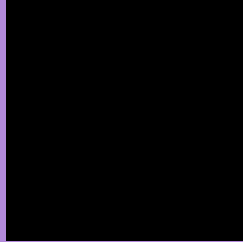
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 40.4651, 32.8751, 71.2306**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.4651, 32.8751, 71.2306.



This preview shows how white text looks on a background with the XYZ color 40.4651, 32.8751,



# 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

40.4651, 32.8751, 71.2306

### Protanopia

34.8683, 33.2191, 80.1755

### Deuteranopia

33.9419, 33.2200, 69.5889



## Tritanopia

33.7901, 32.8563, 38.7434

# Trichromacy



## Original Color

40.4651, 32.8751, 71.2306

## Protanomaly

36.4877, 32.9289, 77.1059

## Deuteranomaly

35.8768, 32.7689, 70.0798

## Tritanomaly

36.0597, 32.8609, 49.2420

# Monochromacy



## Original Color

40.4651, 32.8751, 71.2306

## Achromatopsia

32.9542, 34.6704, 37.7561

## Achromatomaly

35.1330, 33.5764, 48.3452

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.4651, 32.8751, 71.2306 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(179, 138, 219)` looks like.

```
.text, #text, p{  
    color:rgb(179, 138, 219)  
}
```

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(179, 138, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 138, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 40.4651, 32.8751, 71.2306 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".

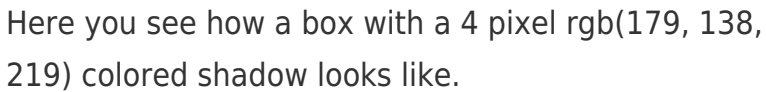
```
.border, #border, table{ border:4px solid rgb(179, 138, 219) }
```



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

```
.border{ border-color:rgb(179, 138, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(179, 138, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 138, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 138, 219); box-shadow:4px 4px 4px 4px rgb(179, 138, 219) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.4651, 32.8751, 71.2306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 138, 219) }
```

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

```
.background{ background-color: rgb(179,  
138, 219) }
```

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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