

# Converting Colors

XYZ(40.9870, 40.2149, 51.6909)

Have a look what the booklet for  
XYZ(40.9870, 40.2149, 51.6909)  
contains.

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# Color

**XYZ(40.8025, 39.9968,  
51.4686)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3A5B9
RGB	179, 165, 185
RGB Percent	70%, 65%, 73%
CMY	0.2980, 0.3529, 0.2745
CMYK	0.03, 0.11, 0.00, 0.27
HSL	282°, 12%, 69%
HSV	282°, 11%, 73%
XYZ	40.8025, 39.9968, 51.4686
YIQ	171.4660, 1.9240, 9.1880

# Conversions

## Conversions Part 2

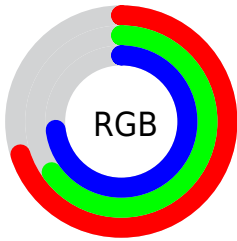
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	179, 165, 185
Decimal	11773369
CIE Lab	69.47, 8.79, -8.44
CIE LCh	69, 12.186, 316.168
Yxy	39.9968, 0.3085, 0.3024
Android (android.graphics.Color)	4289963449 (0xFFB3A5B9)
YUV	171.4660, 6.6723, 6.6073
Hunter-Lab	63.2430, 4.4876, -3.9814

# Details

The XYZ color **40.8025, 39.9968, 51.4686** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.9366, 46.0736, 42.3349**, and the grayscale version is **38.9109, 40.9373, 44.5807**.

A 20% lighter version of the original color is **75.7313, 75.1994, 93.7426**, and **18.6742, 17.9118, 24.3029** is the 20% darker color. If you saturate the color by 10%, you get **36.4472, 33.1521, 50.3776**, and if you desaturate by 10%, it is **45.6945, 47.8369, 52.7247**.

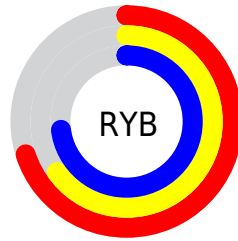
# Distribution



Red (70%)

Green (65%)

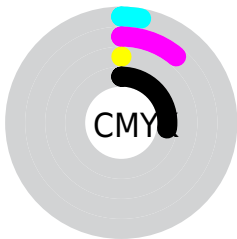
Blue (73%)



Red (70%)

Yellow (65%)

Blue (73%)

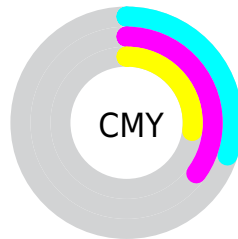


Cyan (3%)

Magenta (11%)

Yellow (0%)

Black (27%)



Cyan (30%)

Magenta (35%)

Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8025, 39.9968, 51.4686 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 40.8025, 39.9968, 51.4686 by changing the saturation by 10% instead.



■ 40.8025, 39.9968,  
51.4686

■ 40.8025, 39.9968,  
51.4686

340.5712,  
346.1101, 409.2801

■ 28.3518, 27.5360,  
36.2024

■ 75.6606, 75.1586,  
93.7656

■ 18.7328, 17.9762,  
24.2996

■ 98.7987, 98.6285,  
121.6335

■ 11.5802, 10.9329,  
15.3418

126.2299,  
126.5369, 154.5391

■ 6.5287, 6.0217,  
8.9103

158.3197,  
159.2682, 192.9008

■ 3.2128, 2.8583,  
4.5867

195.4334,  
197.2067, 237.1372

■ 1.2673, 1.0582,  
1.9524

237.9363,

■ 0.1585, 0.0000,

240.7370, 287.6668

0.5258

286.1938,  
290.2433, 344.9083

■ 0.0000, 0.0000,  
0.0000

■ 40.8025, 39.9968,  
51.4686

■ 40.8025, 39.9968,  
51.4686

■ 36.4472, 33.1521,  
50.3776

■ 45.6945, 47.8369,  
52.7247

■ 32.6038, 27.2560,  
49.4421

■ 51.1396, 56.7064,  
54.1497

■ 29.2509, 22.2659,  
48.6556

■ 57.1579, 66.6439,  
55.7506

■ 26.3637, 18.1334,  
48.0102

■ 63.7674, 77.6845,  
57.5333

■ 23.9155, 14.8059,  
47.4969

■ 70.1809, 88.2530,  
59.2352

■ 21.8765, 12.2247,  
47.1062

■ 71.7569, 89.0655,  
59.3089

■ 20.2127, 10.3228,  
46.8267

■ 73.3878, 89.9063,  
59.3853

■ 18.8841, 9.0211,  
46.6455

■ 75.0744, 90.7757,  
59.4642

■ 17.8853, 8.2086,  
46.5413

■ 76.8171, 91.6741,  
59.5458

# Harmonies

## Analogous

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



39.0759, 39.9968, 54.7722



40.8025, 39.9968, 51.4686



41.7977, 39.9968, 46.1841

# Triad

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



40.8025, 39.9968, 51.4686



38.9248, 39.9968, 33.8790



34.5064, 39.9968, 46.6279

# Complementary

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



40.8025, 39.9968, 51.4686



40.9366, 46.0736, 42.3349

# 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.



34.4692, 39.9968, 41.0175



40.8025, 39.9968, 51.4686



36.9750, 39.9968, 33.9755

# Square

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



40.8025, 39.9968, 51.4686



40.6886, 39.9968, 36.2118



35.3589, 39.9968, 36.4878



35.4626, 39.9968, 51.8174



# Rectangle

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



40.8025, 39.9968, 51.4686



41.8910, 39.9968, 42.3992



35.3589, 39.9968, 36.4878



34.3872, 39.9968, 44.7208

# Sweetspot

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



40.8037, 39.9985, 51.4695



79.7902, 82.3717, 93.8985



38.9016, 40.7558, 51.7159



17.0454, 17.5071, 20.2024



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.



40.8037, 39.9985, 51.4695



71.1168, 68.5295, 91.6839



41.8387, 40.5762, 49.5234



9.1115, 9.0238, 11.3410



12.2544, 5.6286, 31.6936



0.4913, 0.2290, 1.1201



# Inverse Universe

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



40.8149, 40.1667, 44.1320



71.1613, 68.9040, 75.8025



39.9977, 45.5504, 44.0581



9.1125, 9.0554, 9.9401



14.1299, 7.2257, 3.3047

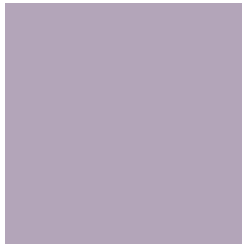


0.5264, 0.2660, 0.2653



# Previews

## White Background



This preview shows how the XYZ color 40.8025, 39.9968, 51.4686 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

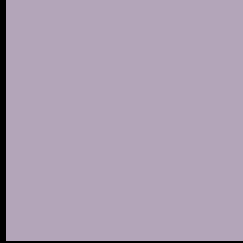
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.8025, 39.9968, 51.4686 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

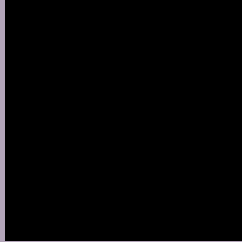
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 40.8025, 39.9968, 51.4686

## Background



This preview shows how black text looks on a background with the XYZ color 40.8025, 39.9968, 51.4686.



This preview shows how white text looks on a background with the XYZ color 40.8025, 39.9968,

51.4686.

# 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

40.8025, 39.9968, 51.4686

### Protanopia

39.3061, 40.2886, 52.7185

### Deuteranopia

40.8025, 39.9968, 51.4686



## Tritanopia

40.1330, 39.9921, 48.2518

# Trichromacy



## Original Color

40.8025, 39.9968, 51.4686

## Protanomaly

39.8788, 40.3211, 52.1353

## Deuteranomaly

40.8025, 39.9968, 51.4686

## Tritanomaly

40.3368, 40.0736, 49.3251

# Monochromacy



## Original Color

40.8025, 39.9968, 51.4686

## Achromatopsia

38.7082, 40.7240, 44.3485

## Achromatomaly

39.4800, 40.5092, 46.8125

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.8025, 39.9968, 51.4686 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, 165, 185)` looks like.

```
.text, #text, p{  
    color:rgb(179, 165, 185)  
}
```

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, 165, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 165, 185) }
```

## Border

The CSS property to change the border of an element to XYZ 40.8025, 39.9968, 51.4686 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, 165, 185) }
```



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

```
.border{ border-color:rgb(179, 165, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 165, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 165, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 165, 185);  
box-shadow:4px 4px 4px 4px rgb(179, 165,  
185) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.8025, 39.9968, 51.4686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 165, 185) }
```

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

```
.background{ background-color: rgb(179,  
165, 185) }
```

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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