

# Converting Colors

XYZ(40.9326, 41.7682, 49.0847)

Have a look what the booklet for  
XYZ(40.9326, 41.7682, 49.0847)  
contains.

<b>XYZ(40.9326, 41.7682, 49.0847)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(40.9326, 41.7682,  
49.0847)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1ABB4
RGB	177, 171, 180
RGB Percent	69%, 67%, 71%
CMY	0.3059, 0.3294, 0.2941
CMYK	0.02, 0.05, 0.00, 0.29
HSL	280°, 6%, 69%
HSV	280°, 5%, 71%
XYZ	40.9326, 41.7682, 49.0847
YIQ	173.8200, 0.6870, 4.0710

# Conversions

## Conversions Part 2

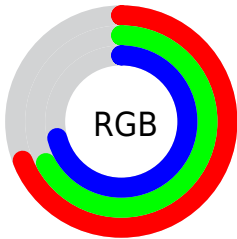
Format	Color
<b>RYB</b>	177, 171, 180
Decimal	11643828
CIELab	70.71, 3.83, -3.85
CIELCh	71, 5.432, 314.844
Yxy	41.7682, 0.3106, 0.3169
Android (android.graphics.Color)	4289833908 (0xFFB1ABB4)
YUV	173.8200, 3.0467, 2.7889
Hunter-Lab	64.6283, -0.0459, 0.2095

# Details

The XYZ color **40.9326, 41.7682, 49.0847** is a light color, and the websafe version is hex **999999**. A complement of this color would be **41.1290, 44.5825, 44.9677**, and the grayscale version is **40.1254, 42.2150, 45.9721**.

A 20% lighter version of the original color is **75.9410, 77.7725, 90.3660**, and **18.7398, 19.0110, 22.7605** is the 20% darker color. If you saturate the color by 10%, you get **36.4248, 34.7370, 47.9658**, and if you desaturate by 10%, it is **45.9660, 49.7600, 50.3626**.

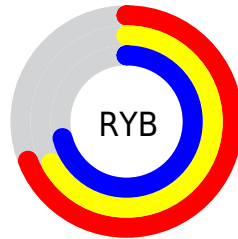
# Distribution



Red (69%)

Green (67%)

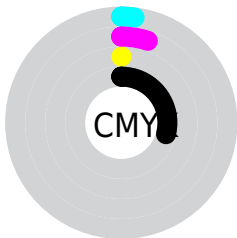
Blue (71%)



Red (69%)

Yellow (67%)

Blue (71%)

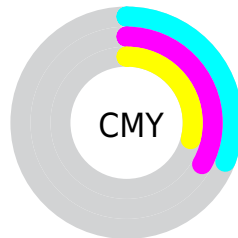


Cyan (2%)

Magenta (5%)

Yellow (0%)

Black (29%)



Cyan (31%)

Magenta (33%)

Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9326, 41.7682, 49.0847 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 40.9326, 41.7682, 49.0847 by changing the saturation by 10% instead.



■ 40.9326, 41.7682,  
49.0847

■ 40.9326, 41.7682,  
49.0847

341.1062,  
353.5211, 399.7077

■ 28.4539, 28.9198,  
34.3206

■ 75.8569, 77.8487,  
90.1995

■ 18.8103, 19.0202,  
22.8606

99.0332, 101.8496,  
117.3873

■ 11.6365, 11.6849,  
14.2863

126.5061,  
130.3368, 149.5535

■ 6.5671, 6.5295,  
8.1790

158.6408,  
163.6947, 187.1164

■ 3.2368, 3.1696,  
4.1203

195.8029,  
202.3077, 230.4948

■ 1.2802, 1.2209,  
1.6916

238.3576,

■ 0.1683, 0.0787,

246.5602, 280.1071

0.3550

286.6702,  
296.8365, 336.3719

■ 0.0000, 0.0000,  
0.0000

■ 40.9326, 41.7682,  
49.0847

■ 40.9326, 41.7682,  
49.0847

■ 36.4248, 34.7370,  
47.9658

■ 45.9660, 49.7600,  
50.3626

■ 32.4195, 28.6235,  
46.9968

■ 51.5396, 58.7425,  
51.8026

■ 28.8975, 23.3894,  
46.1722

■ 57.6720, 68.7511,  
53.4113

■ 25.8364, 18.9915,  
45.4846

■ 64.3798, 79.8179,  
55.1939

■ 23.2125, 15.3831,  
44.9265

■ 69.7331, 88.0821,  
56.5069

■ 20.9991, 12.5127,  
44.4891

■ 71.4421, 88.9631,  
56.5868

■ 19.1669, 10.3224,  
44.1629

■ 73.2156, 89.8774,  
56.6698

■ 17.6819, 8.7456,  
43.9368

■ 75.0541, 90.8252,  
56.7559

■ 16.5026, 7.7008,  
43.7973

■ 76.9585, 91.8069,  
56.8450

# Harmonies

## Analogous

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



40.1445, 41.7682, 50.4406



40.9326, 41.7682, 49.0847



41.3937, 41.7682, 46.7869

# Triad

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



40.9326, 41.7682, 49.0847



40.1537, 41.7682, 40.8594



38.0496, 41.7682, 46.7603

# Complementary

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



40.9326, 41.7682, 49.0847



41.1290, 44.5825, 44.9677

# 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.



38.0520, 41.7682, 44.1946



40.9326, 41.7682, 49.0847



39.2576, 41.7682, 40.8529

# Square

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



40.9326, 41.7682, 49.0847



40.9394, 41.7682, 42.0715



38.4913, 41.7682, 42.0533



38.4847, 41.7682, 49.0646



# Rectangle

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



40.9326, 41.7682, 49.0847



41.4493, 41.7682, 45.0612



38.4913, 41.7682, 42.0533



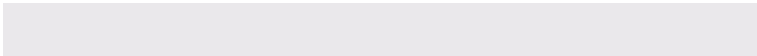
37.9995, 41.7682, 45.8983

# Sweetspot

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



40.9338, 41.7700, 49.0856



77.7377, 81.2930, 89.8885



40.1995, 42.2850, 49.2237



16.8125, 17.5871, 19.4308



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



40.9338, 41.7700, 49.0856



73.2718, 74.2445, 88.7634



41.4878, 42.0714, 48.3973



8.8532, 8.9467, 10.7666



11.2277, 5.1239, 30.5342



0.4120, 0.1915, 0.9635



# Inverse Universe

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



41.0267, 41.8870, 45.9691



73.4802, 74.5042, 81.8976



40.5974, 44.2935, 45.6179



8.8804, 8.9804, 9.8775



13.7347, 7.0114, 3.7630



0.4599, 0.2317, 0.2646



# Previews

## White Background



This preview shows how the XYZ color 40.9326, 41.7682, 49.0847 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

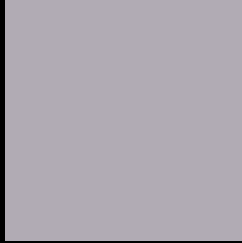
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.9326, 41.7682, 49.0847 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

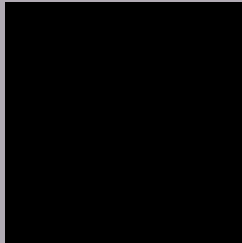
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 40.9326, 41.7682, 49.0847**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.9326, 41.7682, 49.0847.



This preview shows how white text looks on a background with the XYZ color 40.9326, 41.7682,



# 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

40.9326, 41.7682, 49.0847

### Protanopia

40.5486, 41.8399, 49.6548

### Deuteranopia

42.5928, 41.7806, 49.5356



## Tritanopia

41.3866, 41.6751, 51.2102

# Trichromacy



## Original Color

40.9326, 41.7682, 49.0847

## Protanomaly

40.7722, 41.9552, 49.6653

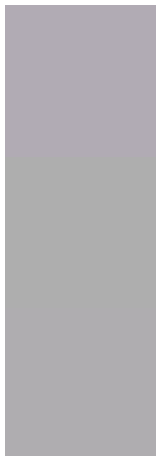
## Deuteranomaly

42.0569, 41.7794, 49.5637

## Tritanomaly

41.2821, 41.6333, 50.6600

# Monochromacy



## Original Color

40.9326, 41.7682, 49.0847

## Achromatopsia

40.2316, 42.3268, 46.0938

## Achromatomaly

40.4592, 42.1357, 47.0749

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.9326, 41.7682, 49.0847 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(177, 171, 180)` looks like.

```
.text, #text, p{  
    color:rgb(177, 171, 180)  
}
```

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(177, 171, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 171, 180) }
```

## Border

The CSS property to change the border of an element to XYZ 40.9326, 41.7682, 49.0847 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(177, 171, 180) }
```



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

```
.border{ border-color:rgb(177, 171, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 171, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 171, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 171, 180);  
box-shadow:4px 4px 4px 4px rgb(177, 171,  
180) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.9326, 41.7682, 49.0847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 171, 180) }
```

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

```
.background{ background-color: rgb(177,  
171, 180) }
```

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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