

# Converting Colors

XYZ(40.8723, 41.1471, 47.3968)

Have a look what the booklet for  
XYZ(40.8723, 41.1471, 47.3968)  
contains.

<b>XYZ(40.9462, 41.2536, 47.3996)</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(40.9462, 41.2536,  
47.3996)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4A9B1
RGB	180, 169, 177
RGB Percent	71%, 66%, 69%
CMY	0.2941, 0.3372, 0.3059
CMYK	0.00, 0.06, 0.02, 0.29
HSL	316°, 7%, 68%
HSV	316°, 6%, 71%
XYZ	40.9462, 41.2536, 47.3996
YIQ	173.2010, 3.9880, 4.8200

# Conversions

## Conversions Part 2

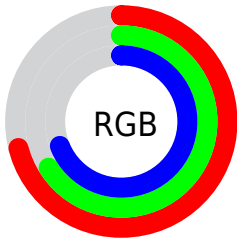
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 169, 177
Decimal	11839921
CIELab	70.35, 5.41, -2.69
CIELCh	70, 6.046, 333.555
Yxy	41.2536, 0.3159, 0.3183
Android (android.graphics.Color)	4290030001 (0xFFB4A9B1)
YUV	173.2010, 1.8729, 5.9627
Hunter-Lab	64.2290, 1.3937, 1.2055

# Details

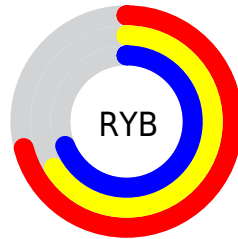
The XYZ color **40.9462, 41.2536, 47.3996** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.1315, 44.0572, 45.4207**, and the grayscale version is **39.8134, 41.8868, 45.6147**.

A 20% lighter version of the original color is **75.9557, 77.0274, 87.9553**, and **18.7518, 18.6898, 21.6880** is the 20% darker color. If you saturate the color by 10%, you get **37.3451, 34.8201, 43.8280**, and if you desaturate by 10%, it is **45.0283, 48.6198, 51.2195**.

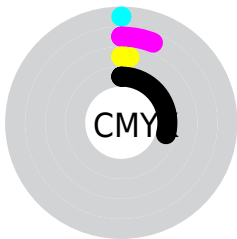
# Distribution



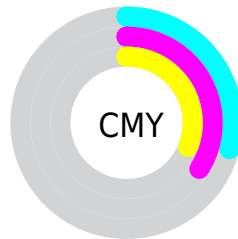
- Red (71%)
- Green (66%)
- Blue (69%)



- Red (71%)
- Yellow (66%)
- Blue (69%)



- Cyan (0%)
- Magenta (6%)
- Yellow (2%)
- Black (29%)



- Cyan (29%)
- Magenta (34%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9462, 41.2536, 47.3996 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 40.9462, 41.2536, 47.3996 by changing the saturation by 10% instead.



■ 40.9462, 41.2536,  
47.3996

■ 40.9462, 41.2536,  
47.3996

341.1621,  
351.3794, 392.8472

■ 28.4645, 28.5173,  
32.9951

■ 75.8774, 77.0687,  
87.6660

■ 18.8184, 18.7160,  
21.8516

■ 99.0577, 100.9163,  
114.3650

■ 11.6423, 11.4652,  
13.5506

126.5349,  
129.2365, 145.9991

■ 6.5711, 6.3807,  
7.6736

158.6744,  
162.4136, 182.9871

■ 3.2393, 3.0779,  
3.8021

195.8415,  
200.8320, 225.7473

■ 1.2815, 1.1725,  
1.5174

238.4016,

■ 0.1693, 0.0391,

244.8762, 274.6984

0.2308

286.7200,  
294.9306, 330.2588

■ 0.0000, 0.0000,  
0.0000

■ 40.9462, 41.2536,  
47.3996

■ 40.9462, 41.2536,  
47.3996

■ 37.3451, 34.8201,  
43.8280

■ 45.0283, 48.6198,  
51.2195

■ 34.2025, 29.2763,  
40.4947

■ 49.6057, 56.9486,  
55.2918

■ 31.4994, 24.5841,  
37.3930

■ 54.6965, 66.2753,  
59.6239

■ 29.2142, 20.7001,  
34.5148

■ 60.3167, 76.6318,  
64.2220

■ 27.3232, 17.5777,  
31.8512

■ 65.1906, 85.4666,  
68.6617

■ 25.8003, 15.1648,  
29.3926

■ 65.7798, 85.7023,  
71.7644

■ 24.6163, 13.4033,  
27.1282

■ 66.3877, 85.9455,  
74.9654

■ 23.7373, 12.2256,  
25.0457

■ 67.0144, 86.1961,  
78.2655

■ 23.1189, 11.5435,  
23.1294

■ 67.6601, 86.4544,  
81.6657

# Harmonies

## Analogous

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



40.2760, 41.2536, 49.6348



40.9462, 41.2536, 47.3996



41.1486, 41.2536, 44.5797

# Triad

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



40.9462, 41.2536, 47.3996



39.0919, 41.2536, 39.6746



37.6394, 41.2536, 48.0114

# Complementary

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



40.9462, 41.2536, 47.3996



40.1315, 44.0572, 45.4207

# 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.



37.3339, 41.2536, 45.2583



40.9462, 41.2536, 47.3996



38.1636, 41.2536, 40.5102

# Square

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



40.9462, 41.2536, 47.3996



40.0674, 41.2536, 40.1943



37.5242, 41.2536, 42.5249



38.3655, 41.2536, 49.9983



# Rectangle

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



40.9462, 41.2536, 47.3996



40.9881, 41.2536, 42.7665



37.5242, 41.2536, 42.5249



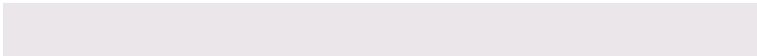
37.4846, 41.2536, 47.1408

# Sweetspot

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



40.9474, 41.2554, 47.4005



77.1540, 80.0381, 88.7131



39.4265, 40.4364, 48.9077



16.6929, 17.3301, 19.1902



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.



40.9474, 41.2554, 47.4005



73.5464, 73.5492, 85.2713



40.4166, 41.0431, 44.6056



8.9021, 8.8805, 10.3266



16.0204, 7.9257, 15.7995



0.5270, 0.2586, 0.6180



# Inverse Universe

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



40.9474, 41.2554, 47.4005



73.5464, 73.5492, 85.2713



40.6639, 44.2702, 48.2246



8.9021, 8.8805, 10.3266



16.0204, 7.9257, 15.7995



0.5270, 0.2586, 0.6180



# Previews

## White Background



This preview shows how the XYZ color 40.9462, 41.2536, 47.3996 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 40.9462, 41.2536, 47.3996 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

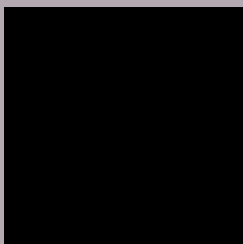
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

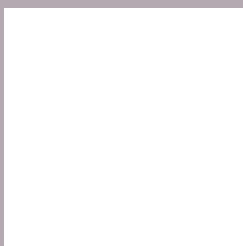
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 40.9462, 41.2536, 47.3996**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.9462, 41.2536, 47.3996.



This preview shows how white text looks on a background with the XYZ color 40.9462, 41.2536,

47.3996.

# 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

40.9462, 41.2536, 47.3996

### Protanopia

39.8324, 41.2244, 47.9772

### Deuteranopia

42.0042, 41.2509, 47.3433



## Tritanopia

41.5022, 41.2064, 50.0222

# Trichromacy



## Original Color

40.9462, 41.2536, 47.3996

## Protanomaly

40.3151, 41.1939, 47.9459

## Deuteranomaly

41.7056, 41.3699, 47.3820

## Tritanomaly

41.2969, 41.1243, 48.9412

# Monochromacy



## Original Color

40.9462, 41.2536, 47.3996

## Achromatopsia

39.7200, 41.7885, 45.5077

## Achromatomaly

40.2970, 41.7911, 45.9870

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.9462, 41.2536, 47.3996 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(180, 169, 177)` looks like.

```
.text, #text, p{  
    color:rgb(180, 169, 177)  
}
```

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(180, 169, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 169, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 40.9462, 41.2536, 47.3996 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(180, 169, 177) }
```



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

```
.border{ border-color:rgb(180, 169, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 169, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 169, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 169, 177);  
box-shadow:4px 4px 4px 4px rgb(180, 169,  
177) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.9462, 41.2536, 47.3996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 169, 177) }
```

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

```
.background{ background-color: rgb(180,  
169, 177) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor