

# Converting Colors

XYZ(37.7030, 35.1103, 49.2213)

Have a look what the booklet for  
XYZ(37.7030, 35.1103, 49.2213)  
contains.

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# Color

**XYZ(37.5762, 35.0640,  
49.0435)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B098B6
RGB	176, 152, 182
RGB Percent	69%, 60%, 71%
CMY	0.3098, 0.4039, 0.2863
CMYK	0.03, 0.16, 0.00, 0.29
HSL	288°, 17%, 65%
HSV	288°, 16%, 71%
XYZ	37.5762, 35.0640, 49.0435
YIQ	162.5960, 4.6740, 14.4180

# Conversions

## Conversions Part 2

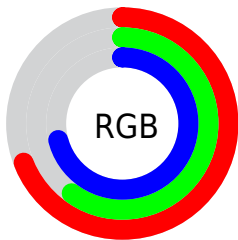
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	176, 152, 182
Decimal	11573430
CIE <sub>Lab</sub>	65.80, 14.39, -12.28
CIE <sub>LCh</sub>	66, 18.915, 319.525
Yxy	35.0640, 0.3088, 0.2882
Android (android.graphics.Color)	4289763510 (0xFFB098B6)
YUV	162.5960, 9.5662, 11.7553
Hunter-Lab	59.2149, 9.6454, -7.6553

# Details

The XYZ color **37.5762, 35.0640, 49.0435** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **36.4973, 42.9929, 36.0824**, and the grayscale version is **34.5782, 36.3789, 39.6166**.

A 20% lighter version of the original color is **70.7826, 67.4715, 90.1816**, and **16.7845, 15.1033, 22.7995** is the 20% darker color. If you saturate the color by 10%, you get **34.0342, 29.1851, 48.0960**, and if you desaturate by 10%, it is **41.5957, 41.8639, 50.1447**.

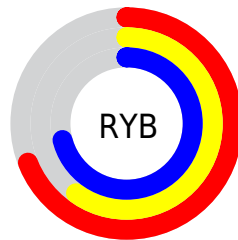
# Distribution



Red (69%)

Green (60%)

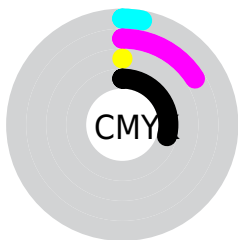
Blue (71%)



Red (69%)

Yellow (60%)

Blue (71%)

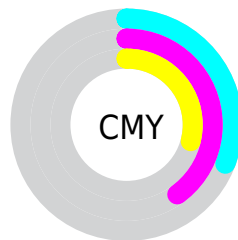


Cyan (3%)

Magenta (16%)

Yellow (0%)

Black (29%)



Cyan (31%)

Magenta (40%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5762, 35.0640, 49.0435 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 37.5762, 35.0640, 49.0435 by changing the saturation by 10% instead.





 37.5762, 35.0640,  
49.0435

 37.5762, 35.0640,  
49.0435


327.1108,  
324.8507, 399.5409

 25.8296, 23.7122,  
34.2881

 70.7662, 67.5849,  
90.1377

 16.8283, 15.1203,  
22.8359


 92.9403, 89.5228,  
117.3137

 10.2067, 8.9038,  
14.2682


119.3211,  
115.7581, 149.4669

 5.5995, 4.6785,  
8.1666

150.2737,  
146.6753, 187.0159

 2.6415, 2.0599,  
4.1124

186.1637,  
182.6588, 230.3793

 0.9671, 0.6419,  
1.6872

227.3563,

 0.0000, 0.0000,

224.0929, 279.9755

0.3520

274.2169,  
271.3621, 336.2232

■ 0.0000, 0.0000,  
0.0000

■ 37.5762, 35.0640,  
49.0435

■ 37.5762, 35.0640,  
49.0435

■ 34.0342, 29.1851,  
48.0960

■ 41.5957, 41.8639,  
50.1447

■ 30.9457, 24.1812,  
47.2929

■ 46.1089, 49.6188,  
51.4037

■ 28.2894, 20.0096,  
46.6277

■ 51.1352, 58.3666,  
52.8273

■ 26.0410, 16.6217,  
46.0923

■ 56.6920, 68.1420,  
54.4212

■ 24.1737, 13.9641,  
45.6777

■ 62.7958, 78.9776,  
56.1910

■ 22.6571, 11.9766,  
45.3740

■ 67.4509, 86.8819,  
57.4713

■ 21.4562, 10.5892,  
45.1695

■ 68.4211, 87.3820,  
57.5167

■ 20.5239, 9.7083,  
45.0486

■ 69.4146, 87.8942,  
57.5632

■ 20.2263, 9.4516,  
45.0148

■ 70.4314, 88.4183,  
57.6108

# Harmonies

## Analogous

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



35.1523, 35.0640, 54.5641



37.5762, 35.0640, 49.0435



38.8848, 35.0640, 41.0403

# Triad

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



37.5762, 35.0640, 49.0435



34.3120, 35.0640, 24.9779



28.5232, 35.0640, 43.5463

# Complementary

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



37.5762, 35.0640, 49.0435



36.4973, 42.9929, 36.0824

# 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.



28.3262, 35.0640, 35.4534



37.5762, 35.0640, 49.0435



31.5666, 35.0640, 25.4536

# Square

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



37.5762, 35.0640, 49.0435



36.9317, 35.0640, 27.6451



29.4114, 35.0640, 29.0502



29.9654, 35.0640, 51.0967



# Rectangle

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



37.5762, 35.0640, 49.0435



38.9019, 35.0640, 35.6928



29.4114, 35.0640, 29.0502



28.3124, 35.0640, 40.7774

# Sweetspot

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



37.5773, 35.0655, 49.0443



76.5001, 77.7564, 91.2122



33.7062, 34.6791, 49.1737



16.7755, 16.9672, 20.1124



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.



37.5773, 35.0655, 49.0443



65.5490, 59.2679, 88.2208



38.1120, 35.4396, 44.6221



9.2002, 9.0696, 11.3451



14.3382, 6.7028, 31.7911



0.5508, 0.2597, 1.1228



# Inverse Universe

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



36.6924, 34.8718, 37.1466



63.6609, 58.8692, 62.1664



36.0671, 42.6878, 39.8276



9.0761, 9.0408, 9.7482



13.8722, 7.1226, 1.9478

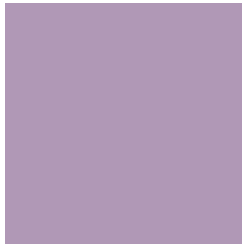


0.5110, 0.2599, 0.1843



# Previews

## White Background



This preview shows how the XYZ color 37.5762, 35.0640, 49.0435 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

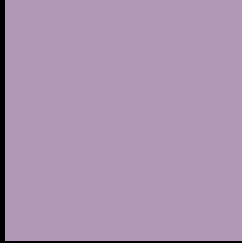
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.5762, 35.0640, 49.0435 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

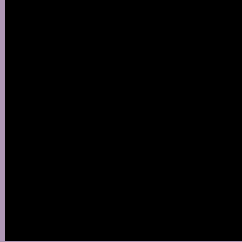
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 37.5762, 35.0640, 49.0435**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.5762, 35.0640, 49.0435.



This preview shows how white text looks on a background with the XYZ color 37.5762, 35.0640,

49.0435.

# 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

37.5762, 35.0640, 49.0435

### Protanopia

34.7786, 35.3100, 51.4369

### Deuteranopia

35.7460, 35.1125, 48.6094



## Tritanopia

36.1520, 35.2314, 41.4541

# Trichromacy



## Original Color

37.5762, 35.0640, 49.0435

## Protanomaly

35.7497, 35.0662, 50.7832

## Deuteranomaly

36.4240, 35.2139, 48.5933

## Tritanomaly

36.6812, 35.2037, 43.8914

# Monochromacy



## Original Color

37.5762, 35.0640, 49.0435

## Achromatopsia

34.8123, 36.6253, 39.8849

## Achromatomaly

35.8023, 36.0234, 43.0964

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.5762, 35.0640, 49.0435 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(176, 152, 182)` looks like.

```
.text, #text, p{  
    color:rgb(176, 152, 182)  
}
```

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(176, 152, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 152, 182) }
```

## Border

The CSS property to change the border of an element to XYZ 37.5762, 35.0640, 49.0435 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(176, 152, 182) }
```



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

```
.border{ border-color:rgb(176, 152, 182) }
```

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

Here you see how a box with a 4 pixel rgb(176, 152, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 152, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 152, 182);  
box-shadow:4px 4px 4px 4px rgb(176, 152,  
182) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.5762, 35.0640, 49.0435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 152, 182) }
```

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

```
.background{ background-color: rgb(176,  
152, 182) }
```

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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