

Converting Colors

XYZ(37.9840, 36.9222, 46.1732)

Have a look what the booklet for
XYZ(37.9840, 36.9222, 46.1732)
contains.

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Color

**XYZ(37.9678, 36.8184,
46.1798)**

Conversions

Conversions Part 1

Format	Color
Hex	B09EB0
RGB	176, 158, 176
RGB Percent	69%, 62%, 69%
CMY	0.3098, 0.3804, 0.3098
CMYK	0.00, 0.10, 0.00, 0.31
HSL	300°, 10%, 65%
HSV	300°, 10%, 69%
XYZ	37.9678, 36.8184, 46.1798
YIQ	165.4340, 4.9500, 9.4140

Conversions

Conversions Part 2

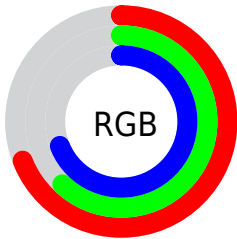
Format	Color
RYB	176, 158, 176
Decimal	11574960
CIELab	67.14, 9.87, -6.92
CIELCh	67, 12.057, 324.975
Yxy	36.8184, 0.3139, 0.3044
Android (android.graphics.Color)	4289765040 (0xFFB09EB0)
YUV	165.4340, 5.2090, 9.2664
Hunter-Lab	60.6782, 5.5050, -2.6486

Details

The XYZ color **37.9678, 36.8184, 46.1798** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.7988, 40.7894, 38.3360**, and the grayscale version is **35.9476, 37.8196, 41.1856**.

A 20% lighter version of the original color is **71.6384, 70.5705, 86.1896**, and **17.0642, 16.1816, 21.2928** is the 20% darker color. If you saturate the color by 10%, you get **35.1785, 31.2393, 45.2504**, and if you desaturate by 10%, it is **41.1892, 43.2606, 47.2541**.

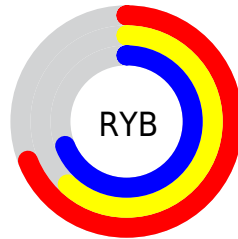
Distribution



Red (69%)

Green (62%)

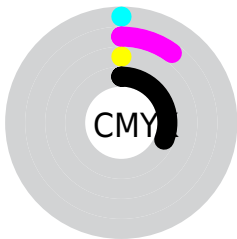
Blue (69%)



Red (69%)

Yellow (62%)

Blue (69%)

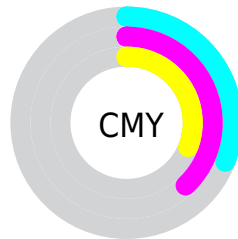


Cyan (0%)

Magenta (10%)

Yellow (0%)

Black (31%)



Cyan (31%)

Magenta (38%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9678, 36.8184, 46.1798 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 37.9678, 36.8184, 46.1798 by changing the saturation by 10% instead.


 37.9678, 36.8184,
46.1798


 37.9678, 36.8184,
46.1798


328.7651,
332.5236, 387.8296

 26.1348, 25.0669,
32.0380


 71.3630, 70.2934,
85.8251

 17.0577, 16.1269,
21.1255

 93.6559, 92.7857,
112.1658

 10.3712, 9.6140,
13.0236


120.1662,
119.6271, 143.4098

 5.7099, 5.1438,
7.3139

151.2591,
151.2019, 179.9758

 2.7085, 2.3319,
3.5778

187.3001,
187.8946, 222.2822

 1.0015, 0.7905,
1.3967

228.6546,

 0.0000, 0.0000,

230.0895, 270.7476

0.1391

275.6877,
278.1710, 325.7906

■ 0.0000, 0.0000,
0.0000

■ 37.9678, 36.8184,
46.1798

■ 37.9678, 36.8184,
46.1798

■ 35.1785, 31.2393,
45.2504

■ 41.1892, 43.2606,
47.2541

■ 32.7999, 26.4822,
44.4575

■ 44.8565, 50.5952,
48.4766

■ 30.8136, 22.5096,
43.7954

■ 48.9871, 58.8563,
49.8535

■ 29.1986, 19.2794,
43.2570

■ 53.5962, 68.0745,
51.3899

■ 27.9316, 16.7456,
42.8346

■ 58.6986, 78.2793,
53.0907

■ 26.9873, 14.8570,
42.5198

■ 61.5014, 83.8849,
54.0251

■ 26.3365, 13.5554,
42.3028

■ 61.5014, 83.8849,
54.0251

■ 25.9448, 12.7721,
42.1722

■ 61.5014, 83.8849,
54.0252

■ 25.7412, 12.3648,
42.1043

■ 61.5014, 83.8849,
54.0252

Harmonies

Analogous

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



36.5075, 36.8184, 49.9762



37.9678, 36.8184, 46.1798



38.6327, 36.8184, 40.9816

Triad

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



37.9678, 36.8184, 46.1798



35.3051, 36.8184, 30.8325



31.8895, 36.8184, 44.5137

Complementary

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



37.9678, 36.8184, 46.1798



35.7988, 40.7894, 38.3360

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.



31.5927, 36.8184, 39.2094



37.9678, 36.8184, 46.1798



33.5245, 36.8184, 31.6002

Square

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



37.9678, 36.8184, 46.1798



37.0615, 36.8184, 32.3624



32.1812, 36.8184, 34.5587



33.0064, 36.8184, 48.9569

Rectangle

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



37.9678, 36.8184, 46.1798



38.5192, 36.8184, 37.5314



32.1812, 36.8184, 34.5587



31.6922, 36.8184, 42.7602

Sweetspot

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



37.9689, 36.8200, 46.1806



72.9706, 74.9954, 85.1249



34.1655, 34.8593, 46.0027



15.7107, 16.0464, 18.4135



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



37.9689, 36.8200, 46.1806



67.7968, 64.6478, 83.4002



37.1076, 36.4755, 41.6452



8.8501, 8.6467, 10.7089



18.8866, 9.0722, 30.8923



0.5943, 0.2854, 0.9720

Inverse Universe

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



37.9689, 36.8200, 46.1806



67.7968, 64.6478, 83.4002



36.6022, 41.1107, 42.5665



8.8501, 8.6467, 10.7089



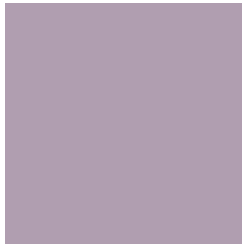
18.8866, 9.0722, 30.8923



0.5943, 0.2854, 0.9720

Previews

White Background



This preview shows how the XYZ color 37.9678, 36.8184, 46.1798 looks on a white background.

Color Contrast Check

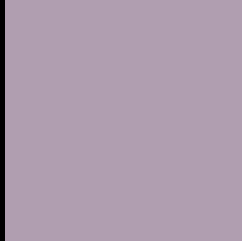
Large Text (above 18pt) WCAG AA × Fail

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 37.9678, 36.8184, 46.1798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

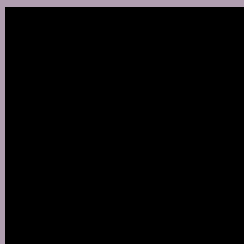
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.9678, 36.8184, 46.1798

Background



This preview shows how black text looks on a background with the XYZ color 37.9678, 36.8184, 46.1798.



This preview shows how white text looks on a background with the XYZ color 37.9678, 36.8184,

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

37.9678, 36.8184, 46.1798

Protanopia

35.9573, 36.7767, 47.8513

Deuteranopia

37.6902, 36.9295, 46.2159



Tritanopia

37.4280, 36.8505, 43.6683

Trichromacy



Original Color

37.9678, 36.8184, 46.1798

Protanomaly

36.7171, 36.9196, 47.3105

Deuteranomaly

37.9138, 37.0448, 46.2264

Tritanomaly

37.6202, 36.9274, 44.6801

Monochromacy



Original Color

37.9678, 36.8184, 46.1798

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.4439, 37.1402, 42.7841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9678, 36.8184, 46.1798 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, 158, 176)` looks like.

```
.text, #text, p{  
    color:rgb(176, 158, 176)  
}
```

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, 158, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 158, 176) }
```

Border

The CSS property to change the border of an element to XYZ 37.9678, 36.8184, 46.1798 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, 158, 176) }
```


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

```
.border{ border-color:rgb(176, 158, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 158, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 158, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 158, 176);  
box-shadow:4px 4px 4px 4px rgb(176, 158,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9678, 36.8184, 46.1798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 158, 176) }
```

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

```
.background{ background-color: rgb(176,  
158, 176) }
```

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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