

Converting Colors

XYZ(37.8641, 35.9681, 48.1269)

Have a look what the booklet for
XYZ(37.8641, 35.9681, 48.1269)
contains.

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Color

**XYZ(37.8641, 35.9681,
48.1269)**

Conversions

Conversions Part 1

Format	Color
Hex	B09BB4
RGB	176, 155, 180
RGB Percent	69%, 61%, 71%
CMY	0.3098, 0.3921, 0.2941
CMYK	0.02, 0.14, 0.00, 0.29
HSL	290°, 14%, 66%
HSV	290°, 14%, 71%
XYZ	37.8641, 35.9681, 48.1269
YIQ	164.1290, 4.4910, 12.2270

Conversions

Conversions Part 2

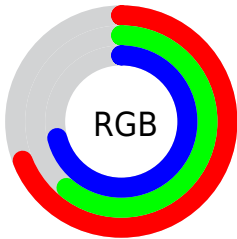
Format	Color
RYB	176, 155, 180
Decimal	11574196
CIELab	66.50, 12.32, -10.12
CIElCh	66, 15.939, 320.609
Yxy	35.9681, 0.3105, 0.2949
Android (android.graphics.Color)	4289764276 (0xFFB09BB4)
YUV	164.1290, 7.8244, 10.4109
Hunter-Lab	59.9734, 7.7422, -5.5971

Details

The XYZ color **37.8641, 35.9681, 48.1269** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **36.5370, 42.3809, 37.2668**, and the grayscale version is **35.3113, 37.1503, 40.4566**.

A 20% lighter version of the original color is **71.2195, 68.8129, 88.8854**, and **16.9495, 15.6439, 22.2049** is the 20% darker color. If you saturate the color by 10%, you get **34.4450, 30.0859, 47.1723**, and if you desaturate by 10%, it is **41.7457, 42.7537, 49.2326**.

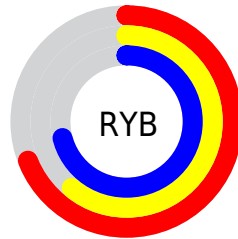
Distribution



Red (69%)

Green (61%)

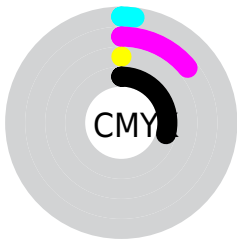
Blue (71%)



Red (69%)

Yellow (61%)

Blue (71%)

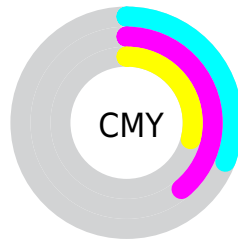


Cyan (2%)

Magenta (14%)

Yellow (0%)

Black (29%)



Cyan (31%)


Magenta (39%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8641, 35.9681, 48.1269 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 37.8641, 35.9681, 48.1269 by changing the saturation by 10% instead.


 37.8641, 35.9681,
48.1269

 37.8641, 35.9681,
48.1269


328.3276,
328.8211, 395.8181

 26.0540, 24.4096,
33.5667


 71.2050, 68.9828,
88.7608

 16.9969, 15.6377,
22.2863


 93.4665, 91.2078,
115.6716

 10.3276, 9.2682,
13.8671


119.9426,
117.7570, 147.5364

 5.6806, 4.9165,
7.8906

150.9984,
149.0150, 184.7736

 2.6907, 2.1984,
3.9382

186.9995,
185.3659, 227.8018

 0.9924, 0.7191,
1.5915

228.3112,

 0.0000, 0.0000,

227.1943, 277.0396

0.2848

275.2987,
274.8846, 332.9056

■ 0.0000, 0.0000,
0.0000

■ 37.8641, 35.9681,
48.1269

■ 37.8641, 35.9681,
48.1269

■ 34.4450, 30.0859,
47.1723

■ 41.7457, 42.7537,
49.2326

■ 31.4654, 25.0629,
46.3598

■ 46.1052, 50.4749,
50.4932

■ 28.9052, 20.8583,
45.6831

■ 50.9611, 59.1682,
51.9152

■ 26.7412, 17.4262,
45.1347

■ 56.3300, 68.8667,
53.5042

■ 24.9482, 14.7160,
44.7061

■ 62.2278, 79.6019,
55.2655

■ 23.4978, 12.6711,
44.3878

■ 66.0625, 86.1898,
56.3350

■ 22.3574, 11.2263,
44.1691

■ 66.8054, 86.5728,
56.3698

■ 21.4876, 10.3033,
44.0368

■ 67.5626, 86.9632,
56.4052

■ 21.0381, 9.8939,
43.9814

■ 68.3343, 87.3610,
56.4413

Harmonies

Analogous

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



35.8305, 35.9681, 52.8248



37.8641, 35.9681, 48.1269



38.9259, 35.9681, 41.3510

Triad

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



37.8641, 35.9681, 48.1269



34.9422, 35.9681, 27.5565



30.0615, 35.9681, 43.9829

Complementary

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



37.8641, 35.9681, 48.1269



36.5370, 42.3809, 37.2668

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.



29.8485, 35.9681, 37.0539



37.8641, 35.9681, 48.1269



32.5938, 35.9681, 28.0868

Square

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



37.8641, 35.9681, 48.1269



37.1879, 35.9681, 29.8435



30.7553, 35.9681, 31.3878



31.3513, 35.9681, 50.2454

Rectangle

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



37.8641, 35.9681, 48.1269



38.9074, 35.9681, 36.7887



30.7553, 35.9681, 31.3878



29.8640, 35.9681, 41.6376

Sweetspot

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



37.8652, 35.9696, 48.1277



75.5578, 77.2826, 89.2293



34.1841, 35.1192, 48.1575



16.2112, 16.4933, 19.2514



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.



37.8652, 35.9696, 48.1277



66.4540, 61.4088, 86.6452



37.9593, 36.1133, 43.8330



8.7139, 8.5765, 10.7025



14.7303, 6.9295, 30.6982



0.4991, 0.2364, 0.9676

Inverse Universe

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



36.8030, 35.6508, 37.7441



64.1353, 60.7198, 63.6593



36.4809, 42.2683, 41.0444



8.5500, 8.5267, 9.1286



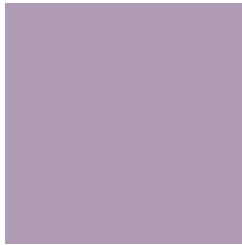
13.3068, 6.8403, 1.5095



0.4357, 0.2220, 0.1371

Previews

White Background



This preview shows how the XYZ color 37.8641, 35.9681, 48.1269 looks on a white background.

Color Contrast Check

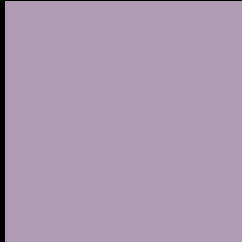
Large Text (above 18pt) WCAG AA × Fail

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 37.8641, 35.9681, 48.1269 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 37.8641, 35.9681, 48.1269

Background



This preview shows how black text looks on a background with the XYZ color 37.8641, 35.9681, 48.1269.



This preview shows how white text looks on a background with the XYZ color 37.8641, 35.9681,

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

37.8641, 35.9681, 48.1269

Protanopia

35.4971, 36.2195, 50.4676

Deuteranopia

36.6574, 35.8442, 48.1666



Tritanopia

36.6740, 35.9772, 42.5475

Trichromacy



Original Color

37.8641, 35.9681, 48.1269

Protanomaly

36.4624, 36.2145, 49.8681

Deuteranomaly

37.1399, 35.8429, 48.1409

Tritanomaly

37.1105, 35.9080, 44.5102

Monochromacy



Original Color

37.8641, 35.9681, 48.1269

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

36.1490, 36.7168, 43.2120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8641, 35.9681, 48.1269 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, 155, 180)` looks like.

```
.text, #text, p{  
    color:rgb(176, 155, 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(176, 155, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 155, 180) }
```

Border

The CSS property to change the border of an element to XYZ 37.8641, 35.9681, 48.1269 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, 155, 180) }
```


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

```
.border{ border-color:rgb(176, 155, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 155, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 155, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 155, 180);  
box-shadow:4px 4px 4px 4px rgb(176, 155,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8641, 35.9681, 48.1269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 155, 180) }
```

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

```
.background{ background-color: rgb(176,  
155, 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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