

Converting Colors

XYZ(38.8396, 39.8758, 48.8142)

Have a look what the booklet for
XYZ(38.8396, 39.8758, 48.8142)
contains.

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Color

**XYZ(38.8184, 39.8466,
48.8252)**

Conversions

Conversions Part 1

Format	Color
Hex	AAA8B4
RGB	170, 168, 180
RGB Percent	67%, 66%, 71%
CMY	0.3333, 0.3412, 0.2941
CMYK	0.06, 0.07, 0.00, 0.29
HSL	250°, 7%, 68%
HSV	250°, 7%, 71%
XYZ	38.8184, 39.8466, 48.8252
YIQ	169.9660, -2.6600, 4.1560

Conversions

Conversions Part 2

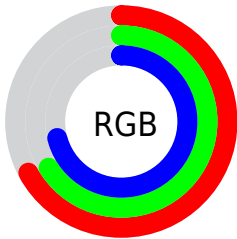
Format	Color
RYB	170, 168, 180
Decimal	11184308
CIELab	69.36, 3.04, -5.91
CIElCh	69, 6.644, 297.194
Yxy	39.8466, 0.3045, 0.3125
Android (android.graphics.Color)	4289374388 (0xFFAAA8B4)
YUV	169.9660, 4.9468, 0.0298
Hunter-Lab	63.1242, -0.6982, -1.6726

Details

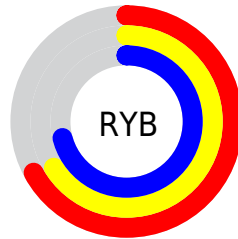
The XYZ color **38.8184, 39.8466, 48.8252** is a light color, and the websafe version is hex **999999**. A complement of this color would be **41.7507, 44.9357, 43.5207**, and the grayscale version is **38.1696, 40.1574, 43.7314**.

A 20% lighter version of the original color is **72.5793, 74.8390, 89.9769**, and **17.5474, 17.8746, 22.6040** is the 20% darker color. If you saturate the color by 10%, you get **32.6625, 32.0776, 47.6507**, and if you desaturate by 10%, it is **45.8069, 48.7298, 50.1721**.

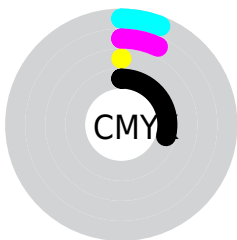
Distribution



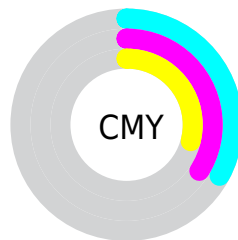
- Red (67%)
- Green (66%)
- Blue (71%)



- Red (67%)
- Yellow (66%)
- Blue (71%)



- Cyan (6%)
- Magenta (7%)
- Yellow (0%)
- Black (29%)



- Cyan (33%)
- Magenta (34%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8184, 39.8466, 48.8252 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 38.8184, 39.8466, 48.8252 by changing the saturation by 10% instead.

■ 38.8184, 39.8466,
48.8252

■ 38.8184, 39.8466,
48.8252

332.3383,
345.4766, 398.6564

■ 26.7986, 27.4190,
34.1162

■ 72.6567, 74.9299,
89.8101

■ 17.5578, 17.8881,
22.7048

■ 95.2058, 98.3543,
116.9231

■ 10.7307, 10.8697,
14.1724

121.9954,
126.2131, 149.0078

■ 5.9520, 5.9793,
8.1006

153.3909,
158.8907, 186.4828

■ 2.8563, 2.8325,
4.0707

189.7576,
196.7714, 229.7666

■ 1.0782, 1.0449,
1.6642

231.4608,

■ 0.0068, 0.0000,

240.2397, 279.2778

0.3360

278.8659,
289.6800, 335.4349

■ 0.0000, 0.0000,
0.0000

■ 38.8184, 39.8466,
48.8252

■ 38.8184, 39.8466,
48.8252

■ 32.6625, 32.0776,
47.6507

■ 45.8069, 48.7298,
50.1721

■ 27.3044, 25.3739,
46.6391

■ 53.6538, 58.7636,
51.6952

■ 22.7122, 19.6901,
45.7841

■ 62.3886, 69.9891,
53.4016

■ 18.8504, 14.9759,
45.0777

■ 72.0378, 82.4437,
55.2970

■ 15.6806, 11.1766,
44.5114

■ 81.6610, 94.2312,
57.0650

■ 13.1610, 8.2320,
44.0759

■ 85.2383, 96.0753,
57.2324

■ 11.2449, 6.0745,
43.7604

■ 9.8791, 4.6262,
43.5528

■ 8.9956, 3.7824,
43.4366

Harmonies

Analogous

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



37.7727, 39.8466, 49.5236



38.8184, 39.8466, 48.8252



39.6238, 39.8466, 46.6482

Triad

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



38.8184, 39.8466, 48.8252



38.9955, 39.8466, 38.6324



35.8605, 39.8466, 43.0992

Complementary

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



38.8184, 39.8466, 48.8252



41.7507, 44.9357, 43.5207

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.



36.1746, 39.8466, 40.2799



38.8184, 39.8466, 48.8252



37.9735, 39.8466, 37.7780

Square

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



38.8184, 39.8466, 48.8252



39.7274, 39.8466, 40.7559



36.9431, 39.8466, 38.3669



36.0773, 39.8466, 46.1273

Rectangle

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



38.8184, 39.8466, 48.8252



39.9091, 39.8466, 44.7016



36.9431, 39.8466, 38.3669



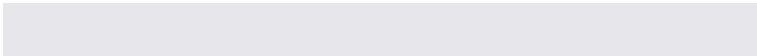
35.9074, 39.8466, 42.0968

Sweetspot

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



38.8196, 39.8483, 48.8261



76.0636, 79.4547, 89.6219



40.3482, 43.5417, 49.4584



16.4697, 17.2106, 19.3762



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.



38.8196, 39.8483, 48.8261



68.6508, 70.0541, 88.1981



40.1015, 40.5092, 48.8861



8.1695, 8.2959, 10.6770



6.1624, 2.5126, 30.2972



0.2341, 0.0998, 0.9552

Inverse Universe

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



40.8623, 40.9247, 47.8671



73.1329, 72.4163, 86.0771



40.4476, 44.2639, 43.4597



8.7881, 8.6219, 10.3824



17.0022, 8.3184, 20.9693



0.5511, 0.2682, 0.7446

Previews

White Background



This preview shows how the XYZ color 38.8184, 39.8466, 48.8252 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 38.8184, 39.8466, 48.8252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

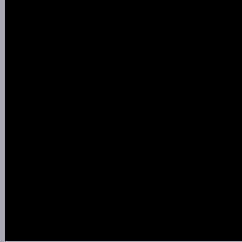
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.8184, 39.8466, 48.8252

Background



This preview shows how black text looks on a background with the XYZ color 38.8184, 39.8466, 48.8252.

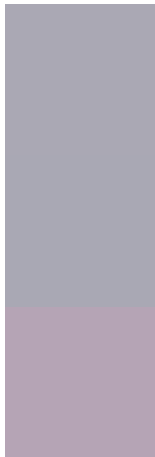


This preview shows how white text looks on a background with the XYZ color 38.8184, 39.8466,

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

38.8184, 39.8466, 48.8252

Protanopia

38.6030, 39.7356, 48.8151

Deuteranopia

40.6720, 39.7109, 49.2374



Tritanopia

38.9207, 39.8875, 49.3638

Trichromacy



Original Color

38.8184, 39.8466, 48.8252

Protanomaly

38.6030, 39.7356, 48.8151

Deuteranomaly

39.9271, 39.5936, 49.2540

Tritanomaly

38.9207, 39.8875, 49.3638

Monochromacy



Original Color

38.8184, 39.8466, 48.8252

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.4055, 39.9780, 45.7367

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8184, 39.8466, 48.8252 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(170, 168, 180)` looks like.

```
.text, #text, p{  
    color:rgb(170, 168, 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(170, 168, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 168, 180) }
```

Border

The CSS property to change the border of an element to XYZ 38.8184, 39.8466, 48.8252 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(170, 168, 180) }
```


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

```
.border{ border-color:rgb(170, 168, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 168, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 168, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 168, 180);  
box-shadow:4px 4px 4px 4px rgb(170, 168,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8184, 39.8466, 48.8252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 168, 180) }
```

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

```
.background{ background-color: rgb(170,  
168, 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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