

# Converting Colors

XYZ(38.1676, 35.5551, 42.7338)

Have a look what the booklet for  
XYZ(38.1676, 35.5551, 42.7338)  
contains.

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# Color

**XYZ(38.2511, 35.5491,  
42.8758)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B898AA
RGB	184, 152, 170
RGB Percent	72%, 60%, 67%
CMY	0.2784, 0.4039, 0.3333
CMYK	0.00, 0.17, 0.08, 0.28
HSL	326°, 18%, 66%
HSV	326°, 17%, 72%
XYZ	38.2511, 35.5491, 42.8758
YIQ	163.6200, 13.2940, 12.3820

# Conversions

## Conversions Part 2

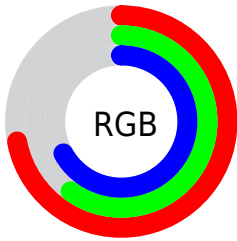
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 152, 170
Decimal	12097706
CIELab	66.17, 14.95, -4.91
CIELCh	66, 15.741, 341.809
Yxy	35.5491, 0.3278, 0.3047
Android (android.graphics.Color)	4290287786 (0xFFB898AA)
YUV	163.6200, 3.1453, 17.8733
Hunter-Lab	59.6231, 10.1761, -0.9001

# Details

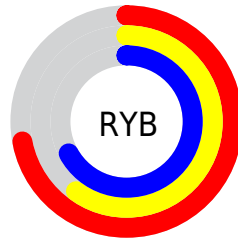
The XYZ color **38.2511, 35.5491, 42.8758** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **36.9737, 43.7105, 42.5667**, and the grayscale version is **35.0881, 36.9154, 40.2009**.

A 20% lighter version of the original color is **71.5971, 68.1041, 80.6060**, and **17.2838, 15.4407, 19.2089** is the 20% darker color. If you saturate the color by 10%, you get **34.7550, 29.7383, 38.0674**, and if you desaturate by 10%, it is **42.2591, 42.3082, 48.0858**.

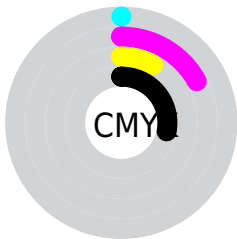
# Distribution



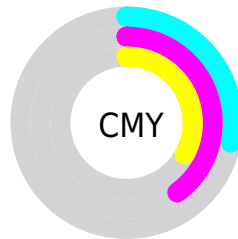
- Red (72%)
- Green (60%)
- Blue (67%)



- Red (72%)
- Yellow (60%)
- Blue (67%)



- Cyan (0%)
- Magenta (17%)
- Yellow (8%)
- Black (28%)




- Cyan (28%)
- Magenta (40%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2511, 35.5491, 42.8758 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 38.2511, 35.5491, 42.8758 by changing the saturation by 10% instead.





 38.2511, 35.5491,  
42.8758


 38.2511, 35.5491,  
42.8758

329.9582,  
326.9854, 374.0069

 26.3557, 24.0862,  
29.4570


 71.7943, 68.3355,  
80.8077

 17.2240, 15.3975,  
19.1783


 94.1728, 90.4278,  
106.1580

 10.4906, 9.0989,  
11.6210


120.7764,  
116.8320, 136.3224

 5.7902, 4.8057,  
6.3668

151.9704,  
147.9325, 171.7196

 2.7574, 2.1337,  
2.9970

188.1203,  
184.1137, 212.7682

 1.0268, 0.6835,  
1.0931

229.5913,

 0.0000, 0.0000,

225.7600, 259.8865

0.0000

276.7488,  
273.2558, 313.4933

■ 38.2511, 35.5491,  
42.8758

■ 38.2511, 35.5491,  
42.8758

■ 34.7550, 29.7383,  
38.0674

■ 42.2591, 42.3082,  
48.0858

■ 31.7458, 24.8283,  
33.6470

■ 46.7968, 50.0512,  
53.7060

■ 29.2005, 20.7743,  
29.6031

■ 51.8847, 58.8173,  
59.7477

■ 27.0934, 17.5259,  
25.9228

■ 57.5413, 68.6424,  
66.2207

■ 25.3957, 15.0275,  
22.5921

■ 63.7842, 79.5606,  
73.1347

■ 24.0754, 13.2160,  
19.5957

■ 68.2224, 86.7885,  
79.6961

■ 23.0949, 12.0182,  
16.9163

■ 69.3039, 87.2211,  
85.3914

■ 22.4000, 11.3269,  
14.5309

■ 70.4374, 87.6745,  
91.3600

■ 22.2404, 11.1796,  
13.9475

■ 71.6234, 88.1489,  
97.6057

# Harmonies

## Analogous

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



36.8812, 35.5491, 49.1413



38.2511, 35.5491, 42.8758



38.3923, 35.5491, 36.1263

# Triad

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



38.2511, 35.5491, 42.8758



32.8748, 35.5491, 27.4024



30.5407, 35.5491, 47.9601

# Complementary

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



38.2511, 35.5491, 42.8758



36.9737, 43.7105, 42.5667

# 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.



29.5680, 35.5491, 41.4076



38.2511, 35.5491, 42.8758



30.8734, 35.5491, 29.8652

# Square

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



38.2511, 35.5491, 42.8758



35.2143, 35.5491, 27.6988



29.6870, 35.5491, 34.8174



32.4015, 35.5491, 52.3023



# Rectangle

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



38.2511, 35.5491, 42.8758



37.7629, 35.5491, 32.2974



29.6870, 35.5491, 34.8174



30.1030, 35.5491, 45.9129

# Sweetspot

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



38.2521, 35.5507, 42.8766



78.4154, 79.7697, 89.4500



35.5793, 34.0115, 50.0376



16.7856, 16.9941, 19.1339



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.



38.2521, 35.5507, 42.8766



66.7216, 60.0693, 74.1850



36.8405, 34.9860, 35.4432



9.2104, 9.0945, 10.4555



15.3638, 7.7193, 9.8023



0.5721, 0.2843, 0.5062



# Inverse Universe

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



38.2521, 35.5507, 42.8766



66.7216, 60.0693, 74.1850



38.5202, 44.3291, 50.7105



9.2104, 9.0945, 10.4555



15.3638, 7.7193, 9.8023

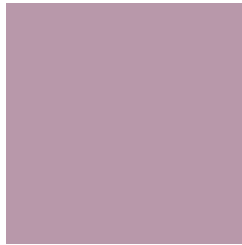


0.5721, 0.2843, 0.5062



# Previews

## White Background



This preview shows how the XYZ color 38.2511, 35.5491, 42.8758 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

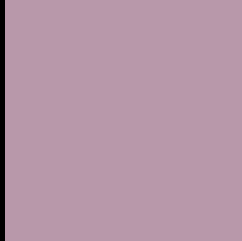
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.2511, 35.5491, 42.8758 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 38.2511, 35.5491, 42.8758**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.2511, 35.5491, 42.8758.



This preview shows how white text looks on a background with the XYZ color 38.2511, 35.5491,



# 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

38.2511, 35.5491, 42.8758

### Protanopia

34.8059, 35.7103, 45.6158

### Deuteranopia

36.2835, 35.5257, 42.4809



## Tritanopia

37.7112, 35.5664, 40.4747

# Trichromacy



## Original Color

38.2511, 35.5491, 42.8758

## Protanomaly

35.9620, 35.5661, 44.5047

## Deuteranomaly

37.0142, 35.6544, 42.4672

## Tritanomaly

37.8947, 35.6398, 41.4411

# Monochromacy



## Original Color

38.2511, 35.5491, 42.8758

## Achromatopsia

35.2861, 37.1238, 40.4278

## Achromatomaly

36.2483, 36.5527, 41.2213

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.2511, 35.5491, 42.8758 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(184, 152, 170)` looks like.

```
.text, #text, p{  
    color:rgb(184, 152, 170)  
}
```

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(184, 152, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 152, 170) }
```

## Border

The CSS property to change the border of an element to XYZ 38.2511, 35.5491, 42.8758 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(184, 152, 170) }
```



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

```
.border{ border-color:rgb(184, 152, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 152, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 152, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 152, 170);  
box-shadow:4px 4px 4px 4px rgb(184, 152,  
170) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.2511, 35.5491, 42.8758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 152, 170) }
```

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

```
.background{ background-color: rgb(184,  
152, 170) }
```

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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