

Converting Colors

XYZ(38.8326, 35.2231, 51.8998)

Have a look what the booklet for
XYZ(38.8326, 35.2231, 51.8998)
contains.

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Color

**XYZ(38.6984, 35.1038,
51.7498)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | B496BB |
| RGB | 180, 150, 187 |
| RGB Percent | 71%, 59%, 73% |
| CMY | 0.2941, 0.4117, 0.2667 |
| CMYK | 0.04, 0.20, 0.00, 0.27 |
| HSL | 289°, 21%, 66% |
| HSV | 289°, 20%, 73% |
| XYZ | 38.6984, 35.1038, 51.7498 |
| YIQ | 163.1880, 6.0030, 17.8670 |

Conversions

Conversions Part 2

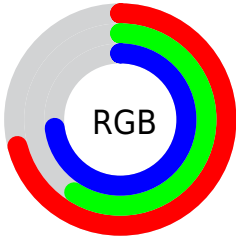
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 180, 150, 187 |
| Decimal | 11835067 |
| CIE _{Lab} | 65.83, 17.87, -14.99 |
| CIE _{LCh} | 66, 23.329, 320.004 |
| Yxy | 35.1038, 0.3082, 0.2796 |
| Android (android.graphics.Color) | 4290025147 (0xFFB496BB) |
| YUV | 163.1880, 11.7393, 14.7441 |
| Hunter-Lab | 59.2485, 12.9033, -10.3122 |

Details

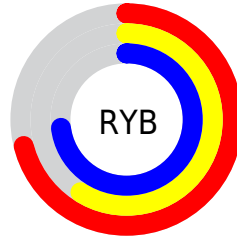
The XYZ color **38.6984, 35.1038, 51.7498** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **37.1811, 44.9116, 35.5649**, and the grayscale version is **34.8467, 36.6614, 39.9243**.

A 20% lighter version of the original color is **72.3626, 67.4897, 94.0069**, and **17.5173, 15.1569, 24.5566** is the 20% darker color. If you saturate the color by 10%, you get **35.1365, 29.1865, 50.7959**, and if you desaturate by 10%, it is **42.7597, 41.9873, 52.8649**.

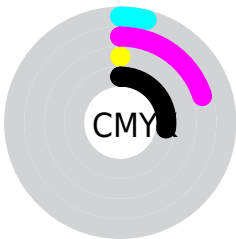
Distribution



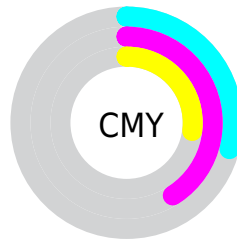
- Red (71%)
- Green (59%)
- Blue (73%)



- Red (71%)
- Yellow (59%)
- Blue (73%)



- Cyan (4%)
- Magenta (20%)
- Yellow (0%)
- Black (27%)





- Cyan (29%)
- Magenta (41%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6984, 35.1038, 51.7498 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 38.6984, 35.1038, 51.7498 by changing the saturation by 10% instead.


 38.6984, 35.1038,
51.7498


 38.6984, 35.1038,
51.7498

331.8358,
325.0263, 410.3994

 26.7049, 23.7428,
36.4248


 72.4744, 67.6465,
94.1850

 17.4871, 15.1430,
24.4702


 94.9875, 89.5971,
122.1322

 10.6799, 8.9198,
15.4673


121.7379,
115.8463, 155.1240

 5.9177, 4.6889,
8.9978

153.0909,
146.7786, 193.5788

 2.8353, 2.0659,
4.6429

189.4118,
182.7784, 237.9152

 1.0673, 0.6454,
1.9843

231.0660,

 0.0000, 0.0000,

224.2300, 288.5518

0.5456

278.4189,
271.5178, 345.9070

■ 0.0000, 0.0000,
0.0000

■ 38.6984, 35.1038,
51.7498

■ 38.6984, 35.1038,
51.7498

■ 35.1365, 29.1865,
50.7959

■ 42.7597, 41.9873,
52.8649

■ 32.0480, 24.1857,
49.9934

■ 47.3383, 49.8748,
54.1460

■ 29.4095, 20.0542,
49.3350

■ 52.4553, 58.8072,
55.6005

■ 27.1942, 16.7385,
48.8118

■ 58.1294, 68.8221,
57.2345

■ 25.3723, 14.1795,
48.4139

■ 64.3787, 79.9551,
59.0540

■ 23.9101, 12.3095,
48.1300

■ 68.8786, 87.5571,
60.2842

■ 22.7675, 11.0492,
47.9470

■ 69.8421, 88.0538,
60.3293

■ 21.8668, 10.2431,
47.8388

■ 70.8277, 88.5619,
60.3754

■ 21.8482, 10.2270,
47.8367

■ 71.8355, 89.0814,
60.4225

Harmonies

Analogous

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



35.6816, 35.1038, 58.9506



38.6984, 35.1038, 51.7498



40.3191, 35.1038, 41.6085

Triad

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



38.6984, 35.1038, 51.7498



34.5275, 35.1038, 22.4249



27.5226, 35.1038, 45.0822

Complementary

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



38.6984, 35.1038, 51.7498



37.1811, 44.9116, 35.5649

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.



27.2605, 35.1038, 35.0245



38.6984, 35.1038, 51.7498



31.1511, 35.1038, 23.0303

Square

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



38.6984, 35.1038, 51.7498



37.8038, 35.1038, 25.4588



28.5458, 35.1038, 27.2847



29.2882, 35.1038, 54.6655

Rectangle

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



38.6984, 35.1038, 51.7498



40.3189, 35.1038, 35.0219



28.5458, 35.1038, 27.2847



27.2607, 35.1038, 41.6115

Sweetspot

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



38.6995, 35.1053, 51.7506



79.4954, 80.1939, 95.4905



33.6734, 34.3229, 51.8644



17.3903, 17.4608, 20.9963



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



38.6995, 35.1053, 51.7506



66.2639, 57.7832, 91.8622



39.2275, 35.5095, 45.8099



9.7482, 9.6026, 12.0119



15.1108, 7.0760, 32.9623



0.6383, 0.3011, 1.2933

Inverse Universe

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



37.4868, 34.8133, 36.6436



63.7299, 57.1933, 59.3750



36.7910, 44.6023, 40.4359



9.6019, 9.5651, 10.2929



14.3534, 7.3725, 1.8888



0.5848, 0.2978, 0.1929

Previews

White Background



This preview shows how the XYZ color 38.6984, 35.1038, 51.7498 looks on a white background.

Color Contrast Check

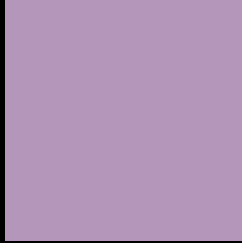
Large Text (above 18pt) WCAG AA × Fail

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 38.6984, 35.1038, 51.7498 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 38.6984, 35.1038, 51.7498

Background



This preview shows how black text looks on a background with the XYZ color 38.6984, 35.1038, 51.7498.



This preview shows how white text looks on a background with the XYZ color 38.6984, 35.1038,

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

38.6984, 35.1038, 51.7498

Protanopia

35.1606, 35.4188, 55.4354

Deuteranopia

35.8557, 35.1086, 51.3412



Tritanopia

36.5700, 35.2115, 40.9454

Trichromacy



Original Color

38.6984, 35.1038, 51.7498

Protanomaly

36.3967, 35.3251, 54.1903

Deuteranomaly

36.7807, 35.0914, 51.2891

Tritanomaly

37.3913, 35.3034, 44.8879

Monochromacy



Original Color

38.6984, 35.1038, 51.7498

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

36.0354, 35.8673, 44.0535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6984, 35.1038, 51.7498 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(180, 150, 187)` looks like.

```
.text, #text, p{  
    color:rgb(180, 150, 187)  
}
```

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(180, 150, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 150, 187) }
```

Border

The CSS property to change the border of an element to XYZ 38.6984, 35.1038, 51.7498 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(180, 150, 187) }
```


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

```
.border{ border-color:rgb(180, 150, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 150, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 150, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 150, 187);  
box-shadow:4px 4px 4px 4px rgb(180, 150,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6984, 35.1038, 51.7498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 150, 187) }
```

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

```
.background{ background-color: rgb(180,  
150, 187) }
```

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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