

Converting Colors

XYZ(38.7665, 31.8892, 59.2367)

Have a look what the booklet for
XYZ(38.7665, 31.8892, 59.2367)
contains.

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Color

**XYZ(38.8752, 31.8926,
59.3653)**

Conversions

Conversions Part 1

Format	Color
Hex	B788C9
RGB	183, 136, 201
RGB Percent	72%, 53%, 79%
CMY	0.2823, 0.4667, 0.2118
CMYK	0.09, 0.32, 0.00, 0.21
HSL	283°, 38%, 66%
HSV	283°, 32%, 79%
XYZ	38.8752, 31.8926, 59.3653
YIQ	157.4630, 7.1470, 30.1790

Conversions

Conversions Part 2

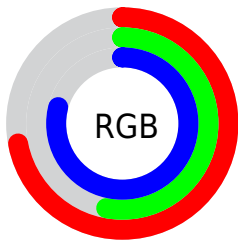
Format	Color
R_{YB}	183, 136, 201
Decimal	12028105
CIE _{Lab}	63.25, 29.54, -26.74
CIE _{LCh}	63, 39.845, 317.841
Yxy	31.8926, 0.2987, 0.2451
Android (android.graphics.Color)	4290218185 (0xFFB788C9)
YUV	157.4630, 21.4637, 22.3959
Hunter-Lab	56.4735, 24.0470, -22.7945

Details

The XYZ color **38.8752, 31.8926, 59.3653** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **38.6580, 50.4217, 30.9888**, and the grayscale version is **32.1612, 33.8361, 36.8475**.

A 20% lighter version of the original color is **72.3986, 62.5722, 102.8696**, and **17.5682, 13.2707, 29.2393** is the 20% darker color. If you saturate the color by 10%, you get **35.0078, 26.0840, 58.4485**, and if you desaturate by 10%, it is **43.3278, 38.7925, 60.4629**.

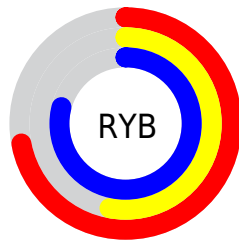
Distribution



Red (72%)

Green (53%)

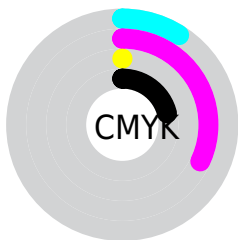
Blue (79%)



Red (72%)

Yellow (53%)

Blue (79%)

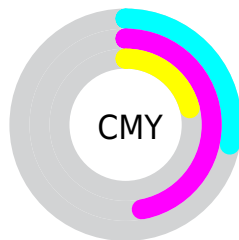


Cyan (9%)

Magenta (32%)

Yellow (0%)

Black (21%)



Cyan (28%)


Magenta (47%)


Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8752, 31.8926, 59.3653 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 38.8752, 31.8926, 59.3653 by changing the saturation by 10% instead.


 38.8752, 31.8926,
59.3653


 38.8752, 31.8926,
59.3653

332.5759,
310.6297, 439.9938


 26.8429, 21.2795,
42.4853


 72.7429, 62.6427,
105.4427

 17.5913, 13.3284,
29.1531


 95.3091, 83.5484,
135.4773

 10.7549, 7.6551,
18.9501


 122.1173,
108.6538, 170.7337

 5.9683, 3.8751,
11.4578

153.5328,
138.3433, 211.6307

 2.8663, 1.6039,
6.2576

189.9211,
173.0013, 258.5866

 1.0835, 0.3602,
2.9310

231.6475,

 0.0112, 0.0000,

213.0120, 312.0201

1.0595

279.0773,
258.7601, 372.3496

■ 0.0000, 0.0000,
0.0000

■ 38.8752, 31.8926,
59.3653

■ 38.8752, 31.8926,
59.3653

■ 35.0078, 26.0840,
58.4485

■ 43.3278, 38.7925,
60.4629

■ 31.6923, 21.3029,
57.7004

■ 48.3906, 46.8349,
61.7484

■ 28.8963, 17.4850,
57.1108

■ 54.0907, 56.0724,
63.2310

■ 26.5827, 14.5569,
56.6675

■ 60.4526, 66.5532,
64.9187

■ 24.7091, 12.4345,
56.3566

■ 67.4995, 78.3229,
66.8191

■ 23.2243, 11.0168,
56.1613

■ 74.7395, 90.3968,
68.7680

■ 22.2796, 10.2677,
56.0664

■ 76.4161, 91.2611,
68.8465

■ 78.1490, 92.1545,
68.9275

■ 79.9387, 93.0771,
69.0113

Harmonies

Analogous

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



33.6803, 31.8926, 72.4113



38.8752, 31.8926, 59.3653



41.9092, 31.8926, 41.5247

Triad

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



38.8752, 31.8926, 59.3653



32.6023, 31.8926, 12.6902



21.2957, 31.8926, 44.8890

Complementary

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



38.8752, 31.8926, 59.3653



38.6580, 50.4217, 30.9888

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.



21.0813, 31.8926, 28.7124



38.8752, 31.8926, 59.3653



27.1779, 31.8926, 13.0928

Square

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



38.8752, 31.8926, 59.3653



38.0041, 31.8926, 16.7239



23.1104, 31.8926, 18.0668



23.7365, 31.8926, 62.4623

Rectangle

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



38.8752, 31.8926, 59.3653



42.0816, 31.8926, 30.7439



23.1104, 31.8926, 18.0668



20.9726, 31.8926, 39.0371

Sweetspot

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



38.8762, 31.8940, 59.3660



84.8975, 83.4809, 106.2466



32.3216, 32.7016, 59.8674



17.8858, 17.4083, 22.6674



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



38.8762, 31.8940, 59.3660



61.6870, 47.2520, 100.4770



41.8532, 33.6114, 51.2495



10.7857, 10.6633, 13.4072



14.1009, 6.5035, 35.2565



0.7351, 0.3427, 1.6725

Inverse Universe

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



38.7253, 32.3602, 34.7782



61.6097, 48.3088, 50.9262



36.5528, 49.2130, 36.4632



10.7526, 10.6844, 11.6803



15.6226, 7.9986, 3.2227



0.7713, 0.3914, 0.3188

Previews

White Background



This preview shows how the XYZ color 38.8752, 31.8926, 59.3653 looks on a white background.

Color Contrast Check

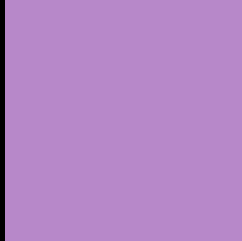
Large Text (above 18pt) WCAG AA × Fail

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 38.8752, 31.8926, 59.3653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

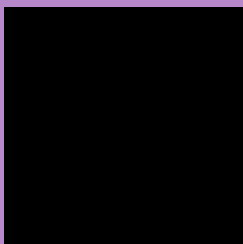
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.8752, 31.8926, 59.3653

Background



This preview shows how black text looks on a background with the XYZ color 38.8752, 31.8926, 59.3653.



This preview shows how white text looks on a background with the XYZ color 38.8752, 31.8926,

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

38.8752, 31.8926, 59.3653

Protanopia

33.0685, 32.0882, 67.4015

Deuteranopia

32.7613, 32.1397, 57.9030



Tritanopia

34.0306, 31.8812, 35.8126

Trichromacy



Original Color

38.8752, 31.8926, 59.3653

Protanomaly

34.7364, 31.8366, 64.6359

Deuteranomaly

34.6882, 31.9504, 58.3716

Tritanomaly

35.7098, 31.9083, 43.3065

Monochromacy



Original Color

38.8752, 31.8926, 59.3653

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

34.0162, 32.6190, 44.0384

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8752, 31.8926, 59.3653 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(183, 136, 201)` looks like.

```
.text, #text, p{  
    color:rgb(183, 136, 201)  
}
```

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(183, 136, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 136, 201) }
```

Border

The CSS property to change the border of an element to XYZ 38.8752, 31.8926, 59.3653 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(183, 136, 201) }
```


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

```
.border{ border-color:rgb(183, 136, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 136, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 136, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 136, 201);  
box-shadow:4px 4px 4px 4px rgb(183, 136,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8752, 31.8926, 59.3653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 136, 201) }
```

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

```
.background{ background-color: rgb(183,  
136, 201) }
```

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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