

Converting Colors

XYZ(57.9634, 50.3866,
101.2783)

Have a look what the booklet for
XYZ(57.9634, 50.3866, 101.2783)
contains.

XYZ(57.8147, 50.1886, 101.2480)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(57.8147, 50.1886,
101.2480)**

Conversions

Conversions Part 1

Format	Color
Hex	CBAEFF
RGB	203, 174, 255
RGB Percent	80%, 68%, 100%
CMY	0.2039, 0.3176, 0.0000
CMYK	0.20, 0.32, 0.00, 0.00
HSL	261°, 100%, 84%
HSV	261°, 32%, 100%
XYZ	57.8147, 50.1886, 101.2480
YIQ	191.9050, -8.7170, 31.3390

Conversions

Conversions Part 2

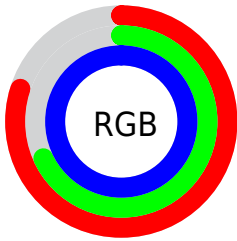
Format	Color
R _Y B	203, 174, 255
Decimal	13348607
CIE Lab	76.18, 26.30, -36.27
CIE LCh	76, 44.802, 305.942
Yxy	50.1886, 0.2763, 0.2398
Android (android.graphics.Color)	4291538687 (0xFFCBAEFF)
YUV	191.9050, 31.1058, 9.7303
Hunter-Lab	70.8439, 21.6944, -35.1448

Details

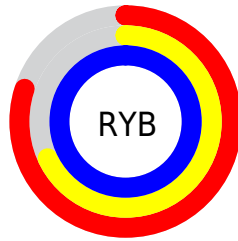
The XYZ color **57.8147, 50.1886, 101.2480** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **74.7647, 90.7451, 53.6215**, and the grayscale version is **49.8769, 52.4743, 57.1445**.

A 20% lighter version of the original color is **87.5868, 85.0736, 106.4123**, and **29.2432, 24.0479, 56.5265** is the 20% darker color. If you saturate the color by 10%, you get **49.1229, 39.0768, 99.5613**, and if you desaturate by 10%, it is **67.9154, 63.4172, 103.2690**.

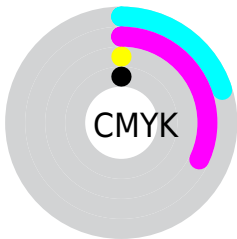
Distribution



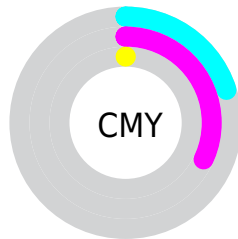
- Red (80%)
- Green (68%)
- Blue (100%)



- Red (80%)
- Yellow (68%)
- Blue (100%)



- Cyan (20%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.8147, 50.1886, 101.2480 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 57.8147, 50.1886, 101.2480 by changing the saturation by 10% instead.

■ 57.8147, 50.1886,
101.2480

■ 57.8147, 50.1886,
101.2480

406.4601,
387.4030, 585.4673

■ 41.9024, 35.5633,
76.7205

■ 100.7775, 90.4543,
164.9380

■ 29.2156, 24.0971,
56.5133

128.5587,
116.8634, 204.9375

■ 19.3891, 15.4057,
40.2079

161.0268,
147.9692, 250.9316

■ 12.0574, 9.1046,
27.3856

198.5474,
184.1562, 303.3386

■ 6.8553, 4.8095,
17.6281

241.4856,
225.8086, 362.5771

■ 3.4173, 2.1359,
10.5166

290.2069,

■ 1.3781, 0.6847,

273.3110, 429.0657

5.6328

345.0766,
327.0477, 503.2230

■ 0.2405, 0.0000,
2.5579

■ 0.0000, 0.0000,
0.8706

■ 57.8147, 50.1886,
101.2480

■ 57.8147, 50.1886,
101.2480

■ 49.1229, 39.0768,
99.5613

■ 67.9154, 63.4172,
103.2690

■ 41.7678, 29.9622,
98.1896

■ 79.4832, 78.8615,
105.6403

■ 35.6773, 22.7223,
97.1132

■ 92.5785, 96.6215,
108.3782

■ 30.7699, 17.2178,
96.3094

95.0500, 100.0000,
108.9000

■ 26.9533, 13.2895,
95.7523

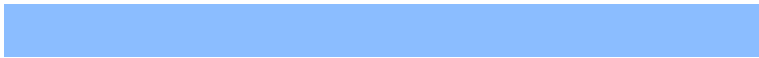
■ 24.1183, 10.7465,
95.4109

■ 22.3938, 9.4593,
95.2533

Harmonies

Analogous

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



49.3929, 50.1886, 114.7013



57.8147, 50.1886, 101.2480



64.0060, 50.1886, 75.7329

Triad

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



57.8147, 50.1886, 101.2480



54.5876, 50.1886, 22.3788



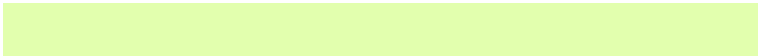
33.3862, 50.1886, 59.5721

Complementary

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



57.8147, 50.1886, 101.2480



74.7647, 90.7451, 53.6215

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.



34.4335, 50.1886, 37.8902



57.8147, 50.1886, 101.2480



46.0517, 50.1886, 20.3657

Square

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



57.8147, 50.1886, 101.2480



61.9952, 50.1886, 31.7623



38.8445, 50.1886, 25.1222



35.7953, 50.1886, 86.5074

Rectangle

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



57.8147, 50.1886, 101.2480



65.6763, 50.1886, 57.9824



38.8445, 50.1886, 25.1222



33.3498, 50.1886, 51.4418

Sweetspot

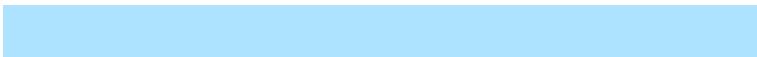
The Sweet Spot groups the original color and five complimentary colors.



57.8162, 50.1906, 101.2482



81.6796, 81.8221, 106.0960



62.8803, 70.9668, 104.9916



17.1072, 17.0069, 22.6310



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.



57.8162, 50.1906, 101.2482



52.2335, 43.0181, 100.1581



70.0974, 56.5217, 101.8230



17.6167, 17.6942, 22.7368



11.8486, 5.0186, 49.7788



1.2677, 0.5474, 4.8521

Inverse Universe

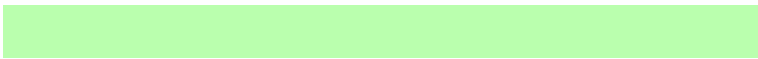
The Inverse Universe completely reimagines the original color for something new.



70.1044, 57.0247, 79.2642



66.4429, 50.9314, 74.2523



63.6873, 85.0345, 53.1030



18.5004, 18.1835, 21.2523



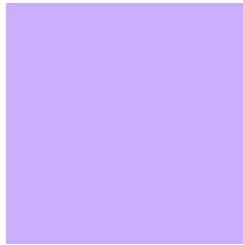
25.1100, 12.5333, 19.7614



2.4971, 1.2412, 2.1990

Previews

White Background



This preview shows how the XYZ color 57.8147, 50.1886, 101.2480 looks on a white background.

Color Contrast Check

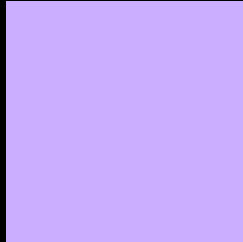
Large Text (above 18pt) WCAG AA × Fail

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 57.8147, 50.1886, 101.2480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

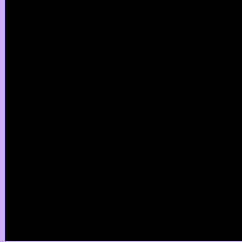
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 57.8147, 50.1886, 101.2480

Background



This preview shows how black text looks on a background with the XYZ color 57.8147, 50.1886, 101.2480.



This preview shows how white text looks on a background with the XYZ color 57.8147, 50.1886,

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

57.8147, 50.1886, 101.2480

Protanopia

51.5453, 50.5533, 101.6488

Deuteranopia

51.6561, 50.3358, 99.9217



Tritanopia

49.6501, 50.1589, 61.0976

Trichromacy



Original Color

57.8147, 50.1886, 101.2480

Protanomaly

53.6003, 50.3792, 101.5069

Deuteranomaly

53.7047, 50.1486, 100.6150

Tritanomaly

52.3360, 50.0325, 73.9167

Monochromacy



Original Color

57.8147, 50.1886, 101.2480

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

52.3797, 51.3400, 71.4389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.8147, 50.1886, 101.2480 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(203, 174, 255)` looks like.

```
.text, #text, p{  
    color:rgb(203, 174, 255)  
}
```

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(203, 174, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 174, 255) }
```

Border

The CSS property to change the border of an element to XYZ 57.8147, 50.1886, 101.2480 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(203, 174, 255) }
```


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

```
.border{ border-color:rgb(203, 174, 255) }
```

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

Here you see how a box with a 4 pixel rgb(203, 174, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 174, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 174, 255);  
box-shadow:4px 4px 4px 4px rgb(203, 174,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 57.8147, 50.1886, 101.2480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 174, 255) }
```

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

```
.background{ background-color: rgb(203,  
174, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor