

Converting Colors

XYZ(51.0166, 38.4254, 89.0552)

Have a look what the booklet for
XYZ(51.0166, 38.4254, 89.0552)
contains.

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Color

**XYZ(50.8587, 38.2888,
88.7143)**

Conversions

Conversions Part 1

Format	Color
Hex	CE8CF2
RGB	206, 140, 242
RGB Percent	81%, 55%, 95%
CMY	0.1921, 0.4510, 0.0510
CMYK	0.15, 0.42, 0.00, 0.05
HSL	279°, 80%, 75%
HSV	279°, 42%, 95%
XYZ	50.8587, 38.2888, 88.7143
YIQ	171.3620, 6.5940, 45.7140

Conversions

Conversions Part 2

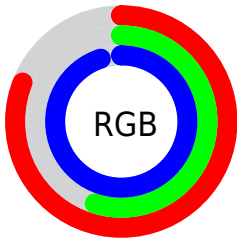
Format	Color
R _Y B	206, 140, 242
Decimal	13536498
CIE _{Lab}	68.23, 42.85, -41.57
CIE _{LCh}	68, 59.702, 315.870
Yxy	38.2888, 0.2859, 0.2153
Android (android.graphics.Color)	4291726578 (0xFFCE8CF2)
YUV	171.3620, 34.8245, 30.3775
Hunter-Lab	61.8779, 38.4263, -41.6894

Details

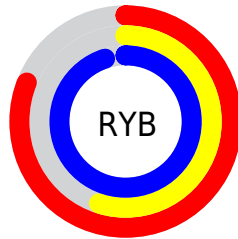
The XYZ color **50.8587, 38.2888, 88.7143** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **54.3914, 74.6287, 36.3506**, and the grayscale version is **38.7199, 40.7363, 44.3618**.

A 20% lighter version of the original color is **78.8051, 67.5102, 103.4850**, and **24.8244, 16.9663, 47.8654** is the 20% darker color. If you saturate the color by 10%, you get **45.3969, 30.7892, 87.5552**, and if you desaturate by 10%, it is **57.2296, 47.4130, 90.1403**.

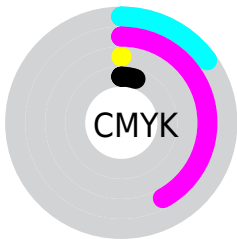
Distribution



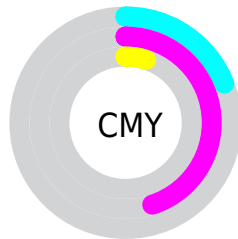
- Red (81%)
- Green (55%)
- Blue (95%)



- Red (81%)
- Yellow (55%)
- Blue (95%)



- Cyan (15%)
- Magenta (42%)
- Yellow (0%)
- Black (5%)




- Cyan (19%)
- Magenta (45%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8587, 38.2888, 88.7143 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 50.8587, 38.2888, 88.7143 by changing the saturation by 10% instead.


 50.8587, 38.2888,
88.7143

 50.8587, 38.2888,
88.7143


380.4113,
338.8572, 544.3014


 36.3168, 26.2069,
66.3471


 90.6301, 72.5506,
147.4711

 24.8502, 16.9785,
48.0960


 116.5903, 95.4993,
184.6977

 16.0936, 10.2192,
33.5424


 147.0872,
122.8390, 227.7146

 9.6817, 5.5445,
22.2677

182.4863,
154.9542, 276.9403

 5.2491, 2.5701,
13.8536

223.1529,
192.2292, 332.7932

 2.4304, 0.9117,
7.8813

269.4524,

 0.8603, 0.0000,

235.0484, 395.6920

3.9324

321.7500,
283.7963, 466.0553

■ 0.0000, 0.0000,
1.5883

■ 0.0000, 0.0000,
0.2825

■ 50.8587, 38.2888,
88.7143

■ 50.8587, 38.2888,
88.7143

■ 45.3969, 30.7892,
87.5552

■ 57.2296, 47.4130,
90.1403

■ 40.7865, 24.8053,
86.6432

■ 64.5543, 58.2517,
91.8463

■ 36.9691, 20.2222,
85.9598

■ 72.8793, 70.8938,
93.8477

■ 33.8761, 16.9058,
85.4827

■ 82.2466, 85.4205,
96.1579

■ 31.4251, 14.6946,
85.1850

■ 90.7500, 98.0170,
98.1411

■ 29.8518, 13.5377,
85.0447

■ 93.0271, 99.1908,
98.2477

Harmonies

Analogous

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



41.5257, 38.2888, 113.2781



50.8587, 38.2888, 88.7143



56.7254, 38.2888, 55.5432

Triad

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



50.8587, 38.2888, 88.7143



40.9533, 38.2888, 9.0659



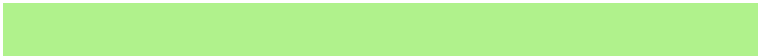
21.7114, 38.2888, 57.3894

Complementary

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



50.8587, 38.2888, 88.7143



54.3914, 74.6287, 36.3506

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.



21.6115, 38.2888, 30.3560



50.8587, 38.2888, 88.7143



31.7006, 38.2888, 9.2129

Square

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



50.8587, 38.2888, 88.7143



50.3783, 38.2888, 14.6043



24.9677, 38.2888, 15.1599



25.2688, 38.2888, 90.5535

Rectangle

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



50.8587, 38.2888, 88.7143



57.3312, 38.2888, 36.6496



24.9677, 38.2888, 15.1599



21.2958, 38.2888, 47.1725

Sweetspot

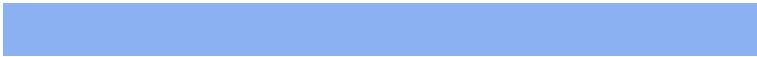
The Sweet Spot groups the original color and five complimentary colors.



50.8601, 38.2904, 88.7152



81.1973, 78.4910, 105.4785



42.6449, 43.5904, 90.1711



16.9190, 16.0962, 22.4651



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.



50.8601, 38.2904, 88.7152



51.7002, 35.4445, 98.7243



60.0563, 43.2585, 78.8756



15.8814, 15.7361, 19.9219



16.1903, 7.3518, 45.6936



1.4543, 0.6670, 3.8063

Inverse Universe

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



53.8336, 40.7695, 46.1076



55.9036, 38.8491, 43.0051



48.3681, 71.4004, 41.6315



16.0032, 15.8510, 17.5731



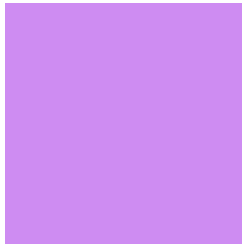
20.6198, 10.5203, 5.9145



1.7610, 0.8934, 0.7321

Previews

White Background



This preview shows how the XYZ color 50.8587, 38.2888, 88.7143 looks on a white background.

Color Contrast Check

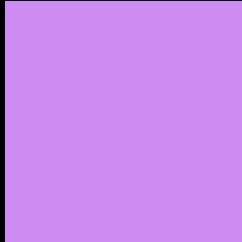
Large Text (above 18pt) WCAG AA × Fail

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 50.8587, 38.2888, 88.7143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

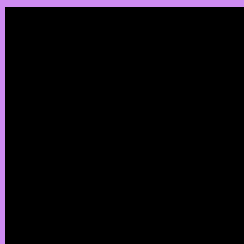
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.8587, 38.2888, 88.7143

Background



This preview shows how black text looks on a background with the XYZ color 50.8587, 38.2888, 88.7143.



This preview shows how white text looks on a background with the XYZ color 50.8587, 38.2888,

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

50.8587, 38.2888, 88.7143

Protanopia

41.1570, 38.8393, 99.9353

Deuteranopia

39.5564, 38.6001, 85.4865



Tritanopia

41.4620, 38.2062, 42.2350

Trichromacy



Original Color

50.8587, 38.2888, 88.7143



Protanomaly

43.4739, 37.8184, 95.4508



Deuteranomaly

42.7783, 37.9014, 86.7224



Tritanomaly

44.3099, 37.8949, 56.6088

Monochromacy



Original Color

50.8587, 38.2888, 88.7143



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

42.4160, 39.3632, 58.1856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8587, 38.2888, 88.7143 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(206, 140, 242)` looks like.

```
.text, #text, p{  
    color:rgb(206, 140, 242)  
}
```

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(206, 140, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 140, 242) }
```

Border

The CSS property to change the border of an element to XYZ 50.8587, 38.2888, 88.7143 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(206, 140, 242) }
```


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

```
.border{ border-color:rgb(206, 140, 242) }
```

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

Here you see how a box with a 4 pixel rgb(206, 140, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 140, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 140, 242);  
box-shadow:4px 4px 4px 4px rgb(206, 140,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8587, 38.2888, 88.7143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 140, 242) }
```

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

```
.background{ background-color: rgb(206,  
140, 242) }
```

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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