

Converting Colors

XYZ(49.8726, 35.8063, 92.5286)

Have a look what the booklet for
XYZ(49.8726, 35.8063, 92.5286)
contains.

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Color

**XYZ(49.8066, 35.7854,
92.2779)**

Conversions

Conversions Part 1

Format	Color
Hex	CC83F7
RGB	204, 131, 247
RGB Percent	80%, 51%, 97%
CMY	0.2000, 0.4863, 0.0314
CMYK	0.17, 0.47, 0.00, 0.03
HSL	278°, 88%, 74%
HSV	278°, 47%, 97%
XYZ	49.8066, 35.7854, 92.2779
YIQ	166.0510, 6.2720, 51.5520

Conversions

Conversions Part 2

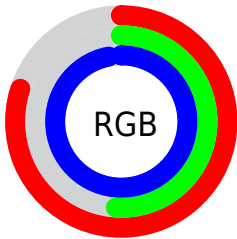
Format	Color
RYB	204, 131, 247
Decimal	13403127
CIELab	66.36, 48.13, -47.27
CIELCh	66, 67.461, 315.511
Yxy	35.7854, 0.2800, 0.2012
Android (android.graphics.Color)	4291593207 (0xFFCC83F7)
YUV	166.0510, 39.9079, 33.2813
Hunter-Lab	59.8209, 43.9317, -49.5843

Details

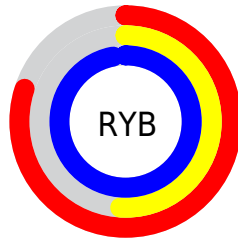
The XYZ color **49.8066, 35.7854, 92.2779** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **54.8142, 77.1598, 33.4785**, and the grayscale version is **36.0825, 37.9616, 41.3402**.

A 20% lighter version of the original color is **76.8489, 63.5978, 102.8330**, and **24.1229, 15.5127, 50.4380** is the 20% darker color. If you saturate the color by 10%, you get **44.4400, 28.6679, 91.1875**, and if you desaturate by 10%, it is **56.1140, 44.5631, 93.6403**.

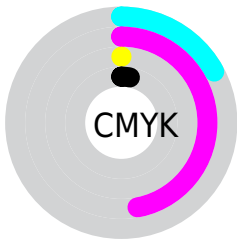
Distribution



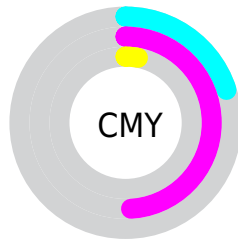
- Red (80%)
- Green (51%)
- Blue (97%)



- Red (80%)
- Yellow (51%)
- Blue (97%)



- Cyan (17%)
- Magenta (47%)
- Yellow (0%)
- Black (3%)





- Cyan (20%)
- Magenta (49%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8066, 35.7854, 92.2779 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 49.8066, 35.7854, 92.2779 by changing the saturation by 10% instead.


 49.8066, 35.7854,
92.2779

 49.8066, 35.7854,
92.2779

376.3737,
328.0216, 556.1734

 35.4769, 24.2685,
69.2872


 89.0818, 68.7007,
152.4615

 24.1987, 15.5329,
50.4724


 114.7580, 90.8679,
190.4915

 15.6066, 9.1942,
35.4151


 144.9472,
117.3540, 234.3716

 9.3353, 4.8681,
23.6967

180.0145,
148.5434, 284.5204

 5.0194, 2.1701,
14.8987

220.3255,
184.8204, 341.3565

 2.2935, 0.7036,
8.6025

266.2455,

 0.7913, 0.0000,

226.5695, 405.2983

4.3896

318.1397,
274.1751, 476.7644

■ 0.0000, 0.0000,
1.8414

■ 0.0000, 0.0000,
0.4551

■ 49.8066, 35.7854,
92.2779

■ 49.8066, 35.7854,
92.2779

■ 44.4400, 28.6679,
91.1875

■ 56.1140, 44.5631,
93.6403

■ 39.9506, 23.0908,
90.3477

■ 63.4122, 55.1007,
95.2896

■ 36.2725, 18.9247,
89.7374

■ 71.7519, 67.4954,
97.2425

■ 33.3270, 16.0162,
89.3312

■ 81.1793, 81.8354,
99.5135

■ 31.0143, 14.1700,
89.0968

■ 91.7372, 98.2036,
102.1164

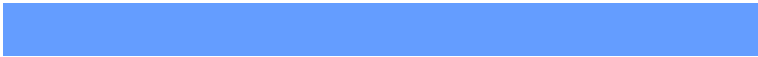
■ 30.3909, 13.7277,
89.0442

■ 93.7886, 99.4954,
102.2577

Harmonies

Analogous

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



39.4665, 35.7854, 120.7141



49.8066, 35.7854, 92.2779



56.4540, 35.7854, 54.5765

Triad

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



49.8066, 35.7854, 92.2779



39.0991, 35.7854, 6.1358



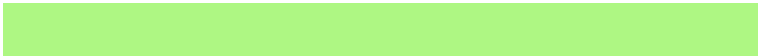
18.5405, 35.7854, 55.7821

Complementary

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



49.8066, 35.7854, 92.2779



54.8142, 77.1598, 33.4785

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.



18.4808, 35.7854, 26.6554



49.8066, 35.7854, 92.2779



29.0864, 35.7854, 6.2108

Square

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



49.8066, 35.7854, 92.2779



49.4922, 35.7854, 11.2568



21.9701, 35.7854, 11.5654



22.1532, 35.7854, 93.5269

Rectangle

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



49.8066, 35.7854, 92.2779



57.1962, 35.7854, 33.8708



21.9701, 35.7854, 11.5654



18.1320, 35.7854, 44.5443

Sweetspot

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



49.8079, 35.7869, 92.2787



79.9977, 76.8757, 105.2299



41.5709, 42.3841, 93.9862



16.6712, 15.7724, 22.4156



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.



49.8079, 35.7869, 92.2787



48.2412, 31.4182, 98.1295



61.2498, 41.9180, 82.3044



16.5835, 16.4434, 20.8424



16.2347, 7.3436, 47.0998



1.5401, 0.7038, 4.1449

Inverse Universe

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



54.1152, 39.0641, 44.7338



53.8600, 35.6140, 39.6969



47.6969, 73.3777, 38.2507



16.7531, 16.5841, 18.4465



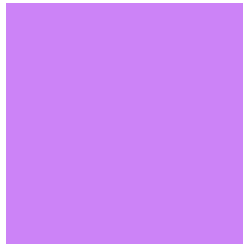
21.3605, 10.8876, 6.6065



1.9253, 0.9761, 0.8329

Previews

White Background



This preview shows how the XYZ color 49.8066, 35.7854, 92.2779 looks on a white background.

Color Contrast Check

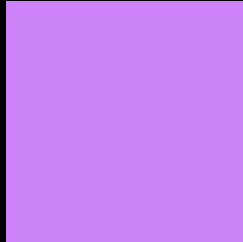
Large Text (above 18pt) WCAG AA × Fail

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 49.8066, 35.7854, 92.2779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

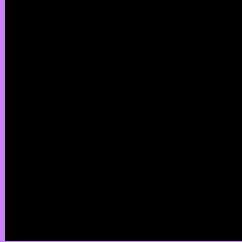
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.8066, 35.7854, 92.2779

Background



This preview shows how black text looks on a background with the XYZ color 49.8066, 35.7854, 92.2779.



This preview shows how white text looks on a background with the XYZ color 49.8066, 35.7854,

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

49.8066, 35.7854, 92.2779

Protanopia

38.9056, 36.3762, 99.5785

Deuteranopia

37.2262, 36.2762, 88.2591



Tritanopia

39.0741, 35.8182, 39.0366

Trichromacy



Original Color

49.8066, 35.7854, 92.2779



Protanomaly

41.6446, 35.3932, 96.7321



Deuteranomaly

40.4104, 35.1538, 89.4495



Tritanomaly

42.3638, 35.5325, 55.0777

Monochromacy



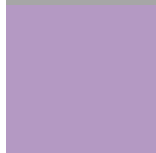
Original Color

49.8066, 35.7854, 92.2779



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

40.0639, 36.4259, 56.5491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8066, 35.7854, 92.2779 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(204, 131, 247)` looks like.

```
.text, #text, p{  
    color:rgb(204, 131, 247)  
}
```

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(204, 131, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 131, 247) }
```

Border

The CSS property to change the border of an element to XYZ 49.8066, 35.7854, 92.2779 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(204, 131, 247) }
```


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

```
.border{ border-color:rgb(204, 131, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 131, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 131, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 131, 247);  
box-shadow:4px 4px 4px 4px rgb(204, 131,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8066, 35.7854, 92.2779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 131, 247) }
```

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

```
.background{ background-color: rgb(204,  
131, 247) }
```

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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