

Converting Colors

XYZ(51.8449, 42.2323, 83.3426)

Have a look what the booklet for
XYZ(51.8449, 42.2323, 83.3426)
contains.

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Color

**XYZ(51.8605, 42.1735,
83.2489)**

Conversions

Conversions Part 1

Format	Color
Hex	CE9AEA
RGB	206, 154, 234
RGB Percent	81%, 60%, 92%
CMY	0.1921, 0.3961, 0.0823
CMYK	0.12, 0.34, 0.00, 0.08
HSL	279°, 66%, 76%
HSV	279°, 34%, 92%
XYZ	51.8605, 42.1735, 83.2489
YIQ	178.6680, 5.3120, 35.9040

Conversions

Conversions Part 2

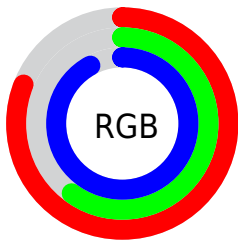
Format	Color
R _Y B	206, 154, 234
Decimal	13540074
CIE Lab	70.99, 33.61, -32.90
CIE LCh	71, 47.034, 315.617
Yxy	42.1735, 0.2925, 0.2379
Android (android.graphics.Color)	4291730154 (0xFFCE9AEA)
YUV	178.6680, 27.2787, 23.9702
Hunter-Lab	64.9411, 28.8990, -30.5459

Details

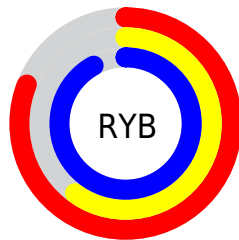
The XYZ color **51.8605, 42.1735, 83.2489** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **54.5483, 71.1248, 41.4271**, and the grayscale version is **42.5299, 44.7448, 48.7271**.

A 20% lighter version of the original color is **82.0905, 74.0809, 104.5802**, and **25.5498, 19.2964, 44.4974** is the 20% darker color. If you saturate the color by 10%, you get **46.1539, 34.0473, 81.9818**, and if you desaturate by 10%, it is **58.4412, 51.8699, 84.7743**.

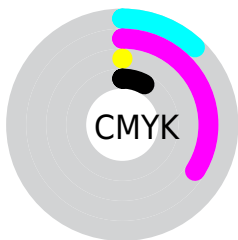
Distribution



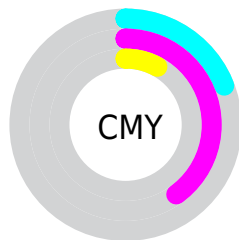
- Red (81%)
- Green (60%)
- Blue (92%)



- Red (81%)
- Yellow (60%)
- Blue (92%)



- Cyan (12%)
- Magenta (34%)
- Yellow (0%)
- Black (8%)



- Cyan (19%)
- Magenta (40%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8605, 42.1735, 83.2489 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 51.8605, 42.1735, 83.2489 by changing the saturation by 10% instead.

51.8605, 42.1735,
83.2489

51.8605, 42.1735,
83.2489

384.2306,
355.2017, 525.8084

37.1177, 29.2372,
61.8537

92.1009, 78.4621,
139.7764

25.4727, 19.2603,
44.4795

118.3293,
102.5832, 175.7457

16.5602, 11.8585,
30.7077

149.1168,
131.2014, 217.4102

10.0148, 6.6474,
20.1198

184.8290,
164.7010, 265.1883

5.4711, 3.2426,
12.2972

225.8311,
203.4664, 319.4987

2.5638, 1.2597,
6.8214

272.4885,

0.9275, 0.1096,

247.8821, 380.7598

3.2739

325.1666,
298.3324, 449.3902

■ 0.0000, 0.0000,
1.2361

■ 0.0000, 0.0000,
0.0086

■ 51.8605, 42.1735,
83.2489

■ 51.8605, 42.1735,
83.2489

■ 46.1539, 34.0473,
81.9818

■ 58.4412, 51.8699,
84.7743

■ 41.2714, 27.3971,
80.9555

■ 65.9339, 63.2127,
86.5688

■ 37.1641, 22.1269,
80.1548

■ 74.3791, 76.2797,
88.6459

■ 33.7757, 18.1266,
79.5612

■ 83.8137, 91.1418,
91.0173

■ 31.0410, 15.2689,
79.1538

■ 88.9523, 97.2260,
91.9208

■ 28.8809, 13.3983,
78.9066

■ 91.8514, 98.7206,
92.0565

■ 27.8192, 12.6257,
78.8134

Harmonies

Analogous

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



44.2841, 42.1735, 101.3562



51.8605, 42.1735, 83.2489



56.5436, 42.1735, 57.5085

Triad

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



51.8605, 42.1735, 83.2489



43.9496, 42.1735, 15.4977



27.2415, 42.1735, 58.5591

Complementary

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



51.8605, 42.1735, 83.2489



54.5483, 71.1248, 41.4271

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.



27.1765, 42.1735, 36.0029



51.8605, 42.1735, 83.2489



36.1594, 42.1735, 15.6147

Square

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



51.8605, 42.1735, 83.2489



51.5882, 42.1735, 21.4478



30.2417, 42.1735, 21.8463



30.4325, 42.1735, 84.2309

Rectangle

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



51.8605, 42.1735, 83.2489



57.0486, 42.1735, 41.8198



30.2417, 42.1735, 21.8463



26.8687, 42.1735, 50.2793

Sweetspot

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



51.8619, 42.1753, 83.2498



84.2402, 83.1421, 106.2158



44.9072, 46.2681, 84.4064



17.7263, 17.3261, 22.6599



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.



51.8619, 42.1753, 83.2498



58.0638, 44.1449, 100.0683



58.6733, 45.8792, 74.8714



15.1735, 15.0347, 19.0245



15.7738, 7.1676, 44.2951



1.3420, 0.6161, 3.4831

Inverse Universe

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



53.9321, 43.9827, 49.9045



61.1925, 46.8063, 52.8468



49.6336, 68.4699, 46.6782



15.2832, 15.1411, 16.7764



19.9753, 10.1928, 5.6712



1.6126, 0.8180, 0.6775

Previews

White Background



This preview shows how the XYZ color 51.8605, 42.1735, 83.2489 looks on a white background.

Color Contrast Check

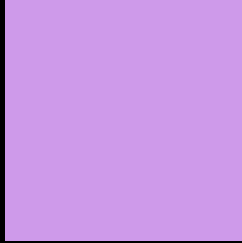
Large Text (above 18pt) WCAG AA × Fail

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 51.8605, 42.1735, 83.2489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

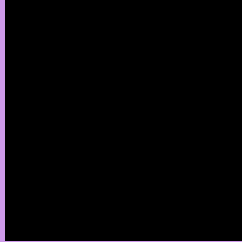
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.8605, 42.1735, 83.2489

Background



This preview shows how black text looks on a background with the XYZ color 51.8605, 42.1735, 83.2489.



This preview shows how white text looks on a background with the XYZ color 51.8605, 42.1735,

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

51.8605, 42.1735, 83.2489

Protanopia

44.0839, 42.3872, 94.6650

Deuteranopia

43.4839, 42.3689, 81.4875



Tritanopia

44.5170, 41.9949, 47.8790

Trichromacy



Original Color

51.8605, 42.1735, 83.2489

Protanomaly

46.2104, 41.9274, 90.4513

Deuteranomaly

46.1521, 42.0836, 82.0344

Tritanomaly

46.7573, 41.8463, 59.0388

Monochromacy



Original Color

51.8605, 42.1735, 83.2489

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

45.6698, 43.6918, 60.0591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8605, 42.1735, 83.2489 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, 154, 234)` looks like.

```
.text, #text, p{  
    color:rgb(206, 154, 234)  
}
```

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, 154, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 154, 234) }
```

Border

The CSS property to change the border of an element to XYZ 51.8605, 42.1735, 83.2489 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, 154, 234) }
```


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

```
.border{ border-color:rgb(206, 154, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 154, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 154, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 154, 234);  
box-shadow:4px 4px 4px 4px rgb(206, 154,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8605, 42.1735, 83.2489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 154, 234) }
```

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

```
.background{ background-color: rgb(206,  
154, 234) }
```

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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