

Converting Colors

XYZ(50.2168, 41.8454, 84.7779)

Have a look what the booklet for
XYZ(50.2168, 41.8454, 84.7779)
contains.

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Color

**XYZ(50.0547, 41.7034,
84.7683)**

Conversions

Conversions Part 1

Format	Color
Hex	C59CEC
RGB	197, 156, 236
RGB Percent	77%, 61%, 93%
CMY	0.2274, 0.3882, 0.0745
CMYK	0.17, 0.34, 0.00, 0.07
HSL	271°, 68%, 77%
HSV	271°, 34%, 93%
XYZ	50.0547, 41.7034, 84.7683
YIQ	177.3790, -1.2440, 33.5720

Conversions

Conversions Part 2

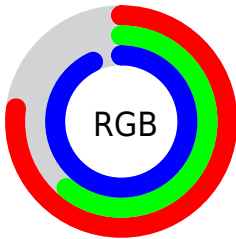
Format	Color
R_{YB}	197, 156, 236
Decimal	12950764
CIE _{Lab}	70.67, 30.21, -34.56
CIE _{LCh}	71, 45.908, 311.159
Yxy	41.7034, 0.2836, 0.2362
Android (android.graphics.Color)	4291140844 (0xFFC59CEC)
YUV	177.3790, 28.9002, 17.2076
Hunter-Lab	64.5782, 25.3440, -32.6221

Details

The XYZ color **50.0547, 41.7034, 84.7683** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **58.5033, 73.9944, 42.6532**, and the grayscale version is **41.8436, 44.0227, 47.9408**.

A 20% lighter version of the original color is **82.5843, 75.0685, 104.7448**, and **24.3439, 18.9467, 45.5540** is the 20% darker color. If you saturate the color by 10%, you get **43.5743, 33.0447, 83.4392**, and if you desaturate by 10%, it is **57.5372, 52.0227, 86.3664**.

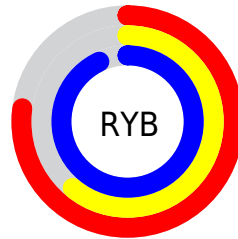
Distribution



Red (77%)

Green (61%)

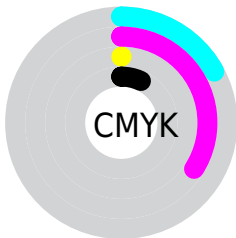
Blue (93%)



Red (77%)

Yellow (61%)

Blue (93%)

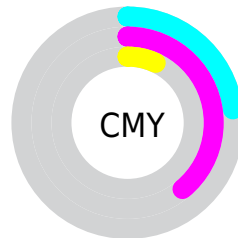


Cyan (17%)

Magenta (34%)

Yellow (0%)

Black (7%)



Cyan (23%)


Magenta (39%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0547, 41.7034, 84.7683 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 50.0547, 41.7034, 84.7683 by changing the saturation by 10% instead.


 50.0547, 41.7034,
84.7683


 50.0547, 41.7034,
84.7683


377.3283,
353.2519, 530.9857

 35.6748, 28.8691,
63.1009


 89.4473, 77.7505,
141.9207

 24.3521, 18.9818,
45.4813


 115.1907,
101.7322, 178.2428

 15.7212, 11.6572,
31.4910

145.4526,
130.1984, 220.2868

 9.4167, 6.5107,
20.7114

180.5985,
163.5336, 268.4714

 5.0732, 3.1580,
12.7240

220.9936,
202.1221, 323.2150

 2.3255, 1.2148,
7.1103

267.0034,

 0.8077, 0.0737,

246.3485, 384.9363

3.4517

318.9932,
296.5969, 454.0536

■ 0.0000, 0.0000,
1.3296

■ 0.0000, 0.0000,
0.0859

■ 50.0547, 41.7034,
84.7683

■ 50.0547, 41.7034,
84.7683

■ 43.5743, 33.0447,
83.4392

■ 57.5372, 52.0227,
86.3664

■ 38.0419, 25.9494,
82.3613

■ 66.0636, 64.0822,
88.2448

■ 33.4043, 20.3178,
81.5187

■ 75.6784, 77.9626,
90.4172

■ 29.6006, 16.0360,
80.8927

■ 86.4219, 93.7378,
92.8959

■ 26.5608, 12.9727,
80.4617

■ 91.9670, 98.7468,
93.5704

■ 24.2007, 10.9682,
80.1991

■ 92.1405, 98.8362,
93.5786

■ 23.0185, 10.1174,
80.0972

Harmonies

Analogous

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



42.5339, 41.7034, 100.0891



50.0547, 41.7034, 84.7683



55.1394, 41.7034, 60.3090

Triad

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



50.0547, 41.7034, 84.7683



44.5469, 41.7034, 16.1992



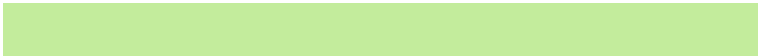
26.9597, 41.7034, 53.9989

Complementary

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



50.0547, 41.7034, 84.7683



58.5033, 73.9944, 42.6532

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.



27.3535, 41.7034, 33.1888



50.0547, 41.7034, 84.7683



36.8763, 41.7034, 15.4801

Square

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



50.0547, 41.7034, 84.7683



51.6895, 41.7034, 23.0571



30.7768, 41.7034, 20.6246



29.6221, 41.7034, 78.8983

Rectangle

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



50.0547, 41.7034, 84.7683



56.1171, 41.7034, 44.5665



30.7768, 41.7034, 20.6246



26.7489, 41.7034, 46.2598

Sweetspot

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



50.0561, 41.7051, 84.7692



83.0213, 82.5137, 106.1588



48.5921, 52.6055, 86.9504



17.4311, 17.1739, 22.6461



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.



50.0561, 41.7051, 84.7692



53.9387, 42.0184, 99.8752



61.6220, 47.6676, 85.3105



14.9674, 14.9284, 19.0149



12.8383, 5.6543, 44.1577



1.1192, 0.5012, 3.4726

Inverse Universe

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



56.3322, 45.5516, 57.4549



62.8103, 47.4534, 61.3659



49.7079, 69.4602, 42.2416



15.3715, 15.1764, 17.2415



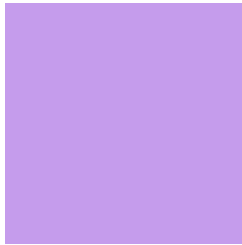
20.8402, 10.5388, 10.2255



1.6849, 0.8469, 1.0582

Previews

White Background



This preview shows how the XYZ color 50.0547, 41.7034, 84.7683 looks on a white background.

Color Contrast Check

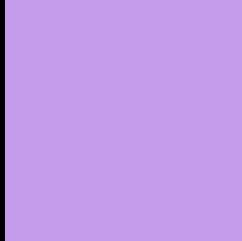
Large Text (above 18pt) WCAG AA × Fail

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 50.0547, 41.7034, 84.7683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

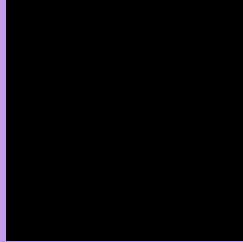
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.0547, 41.7034, 84.7683

Background



This preview shows how black text looks on a background with the XYZ color 50.0547, 41.7034, 84.7683.



This preview shows how white text looks on a background with the XYZ color 50.0547, 41.7034,

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

50.0547, 41.7034, 84.7683

Protanopia

43.5577, 41.8544, 93.7787

Deuteranopia

42.9812, 42.0769, 82.9471



Tritanopia

42.7960, 41.6241, 48.9587

Trichromacy



Original Color

50.0547, 41.7034, 84.7683

Protanomaly

45.3587, 41.4883, 90.4114

Deuteranomaly

45.2821, 41.8709, 83.5372

Tritanomaly

45.0084, 41.4409, 60.2703

Monochromacy



Original Color

50.0547, 41.7034, 84.7683

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

44.1482, 42.6435, 59.3302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0547, 41.7034, 84.7683 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(197, 156, 236)` looks like.

```
.text, #text, p{  
    color:rgb(197, 156, 236)  
}
```

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(197, 156, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 156, 236) }
```

Border

The CSS property to change the border of an element to XYZ 50.0547, 41.7034, 84.7683 is called "border". The border property can be set on classes, ids or directly on the HTML element.

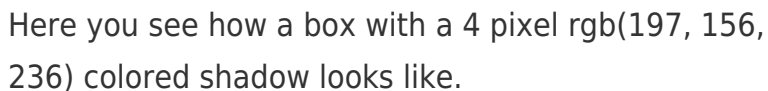
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 156, 236) }
```


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

```
.border{ border-color:rgb(197, 156, 236) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 156, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 156, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 156, 236);  
box-shadow:4px 4px 4px 4px rgb(197, 156,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0547, 41.7034, 84.7683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 156, 236) }
```

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

```
.background{ background-color: rgb(197,  
156, 236) }
```

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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