

Converting Colors

XYZ(50.8327, 42.2987,
100.0930)

Have a look what the booklet for
XYZ(50.8327, 42.2987, 100.0930)
contains.

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Color

**XYZ(50.7704, 42.2385,
100.0847)**

Conversions

Conversions Part 1

Format	Color
Hex	BB9EFF
RGB	187, 158, 255
RGB Percent	73%, 62%, 100%
CMY	0.2667, 0.3804, 0.0000
CMYK	0.27, 0.38, 0.00, 0.00
HSL	258°, 100%, 81%
HSV	258°, 38%, 100%
XYZ	50.7704, 42.2385, 100.0847
YIQ	177.7290, -13.8530, 36.3150

Conversions

Conversions Part 2

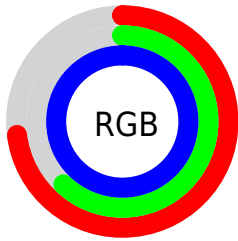
Format	Color
RYB	187, 158, 255
Decimal	12295935
CIELab	71.04, 30.54, -44.40
CIELCh	71, 53.889, 304.520
Yxy	42.2385, 0.2629, 0.2187
Android (android.graphics.Color)	4290486015 (0xFFBB9EFF)
YUV	177.7290, 38.0946, 8.1307
Hunter-Lab	64.9912, 25.7078, -45.8113

Details

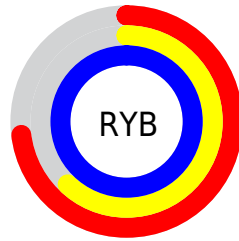
The XYZ color **50.7704, 42.2385, 100.0847** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **73.2959, 90.1575, 45.8883**, and the grayscale version is **41.9855, 44.1720, 48.1034**.

A 20% lighter version of the original color is **79.5004, 74.2210, 104.7437**, and **24.8628, 19.2908, 55.8392** is the 20% darker color. If you saturate the color by 10%, you get **42.7592, 32.3085, 98.5902**, and if you desaturate by 10%, it is **60.2311, 54.2570, 101.9059**.

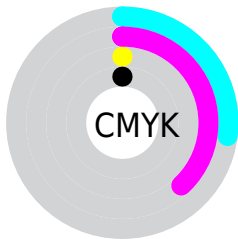
Distribution



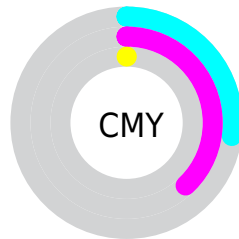
- Red (73%)
- Green (62%)
- Blue (100%)



- Red (73%)
- Yellow (62%)
- Blue (100%)



- Cyan (27%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7704, 42.2385, 100.0847 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 50.7704, 42.2385, 100.0847 by changing the saturation by 10% instead.

50.7704, 42.2385,
100.0847

50.7704, 42.2385,
100.0847

380.0735,
355.4707, 581.7132

36.2462, 29.2881,
75.7540

90.5003, 78.5605,
163.3265

24.7954, 19.2989,
55.7254

116.4367,
102.7008, 203.0746

16.0526, 11.8864,
39.5803

146.9080,
131.3399, 248.7990

9.6525, 6.6664,
26.9001

182.2793,
164.8622, 300.9181

5.2296, 3.2544,
17.2665

222.9162,
203.6520, 359.8506

2.4188, 1.2659,
10.2607

269.1840,

0.8545, 0.1146,

248.0937, 426.0149

5.4643

321.4479,
298.5718, 499.8296

■ 0.0000, 0.0000,
2.4587

■ 0.0000, 0.0000,
0.8182

■ 50.7704, 42.2385,
100.0847

■ 50.7704, 42.2385,
100.0847

■ 42.7592, 32.3085,
98.5902

■ 60.2311, 54.2570,
101.9059

■ 36.1172, 24.3395,
97.4021

■ 71.2074, 68.4717,
104.0711

■ 30.7622, 18.1971,
96.4988

■ 83.7663, 84.9887,
106.5972

■ 26.6004, 13.7275,
95.8554

95.0500, 100.0000,
108.9000

■ 23.5236, 10.7500,
95.4429

■ 21.3913, 9.0231,
95.2219

■ 21.0496, 8.7663,
95.1904

Harmonies

Analogous

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



41.5254, 42.2385, 115.1772



50.7704, 42.2385, 100.0847



57.8771, 42.2385, 70.7682

Triad

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



50.7704, 42.2385, 100.0847



48.0584, 42.2385, 14.1954



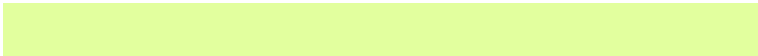
25.2514, 42.2385, 50.0070

Complementary

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



50.7704, 42.2385, 100.0847



73.2959, 90.1575, 45.8883

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.



26.4662, 42.2385, 27.7988



50.7704, 42.2385, 100.0847



38.7983, 42.2385, 12.1696

Square

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



50.7704, 42.2385, 100.0847



56.1545, 42.2385, 23.2386



31.1187, 42.2385, 16.0546



27.5125, 42.2385, 80.1710

Rectangle

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



50.7704, 42.2385, 100.0847



59.9479, 42.2385, 50.8862



31.1187, 42.2385, 16.0546



25.2700, 42.2385, 41.4194

Sweetspot

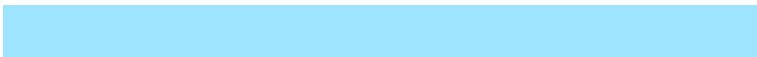
The Sweet Spot groups the original color and five complimentary colors.



50.7718, 42.2401, 100.0849



79.8775, 79.8503, 105.8104



59.7621, 69.7112, 104.9136



16.7263, 16.6027, 22.5730



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.



50.7718, 42.2401, 100.0849



44.2783, 34.1691, 98.8693



64.2039, 49.1646, 100.7135



17.5135, 17.6409, 22.7319



11.1291, 4.6478, 49.7451



1.1880, 0.5064, 4.8484

Inverse Universe

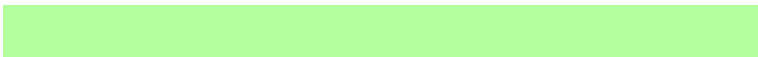
The Inverse Universe completely reimagines the original color for something new.



67.1949, 51.2059, 78.2937



63.1945, 44.5146, 72.9228



60.5267, 83.5747, 45.2907



18.5477, 18.2024, 21.5013



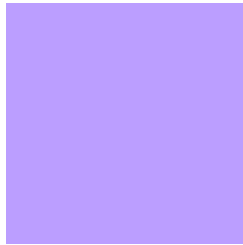
25.8568, 12.8320, 23.6939



2.5658, 1.2687, 2.5611

Previews

White Background



This preview shows how the XYZ color 50.7704, 42.2385, 100.0847 looks on a white background.

Color Contrast Check

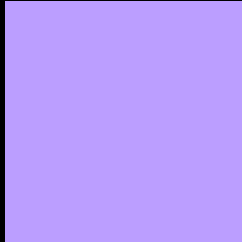
Large Text (above 18pt) WCAG AA × Fail

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 50.7704, 42.2385, 100.0847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

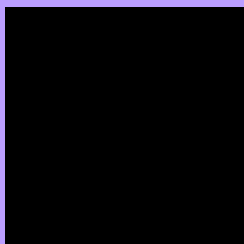
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.7704, 42.2385, 100.0847

Background



This preview shows how black text looks on a background with the XYZ color 50.7704, 42.2385, 100.0847.



This preview shows how white text looks on a background with the XYZ color 50.7704, 42.2385,

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

50.7704, 42.2385, 100.0847

Protanopia

44.4670, 42.4568, 100.4591

Deuteranopia

43.4785, 42.2841, 97.9655



Tritanopia

41.0710, 42.0489, 52.4059

Trichromacy



Original Color

50.7704, 42.2385, 100.0847

Protanomaly

46.3842, 42.0695, 100.2833

Deuteranomaly

45.6489, 41.9984, 98.6290

Tritanomaly

44.1670, 41.9243, 67.3924

Monochromacy



Original Color

50.7704, 42.2385, 100.0847

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

44.7595, 43.4058, 64.4116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7704, 42.2385, 100.0847 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(187, 158, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 158, 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(187, 158, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 158, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.7704, 42.2385, 100.0847 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(187, 158, 255) }
```


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

```
.border{ border-color:rgb(187, 158, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 158, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 158, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 158, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 158,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7704, 42.2385, 100.0847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 158, 255) }
```

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

```
.background{ background-color: rgb(187,  
158, 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](#).

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