

Converting Colors

XYZ(50.4244, 42.3625, 86.4080)

Have a look what the booklet for
XYZ(50.4244, 42.3625, 86.4080)
contains.

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Color

**XYZ(50.4244, 42.3625,
86.4080)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | C49EEE |
| RGB | 196, 158, 238 |
| RGB Percent | 77%, 62%, 93% |
| CMY | 0.2314, 0.3804, 0.0667 |
| CMYK | 0.18, 0.34, 0.00, 0.07 |
| HSL | 268°, 70%, 78% |
| HSV | 268°, 34%, 93% |
| XYZ | 50.4244, 42.3625, 86.4080 |
| YIQ | 178.4820, -3.0320, 32.9360 |

Conversions

Conversions Part 2

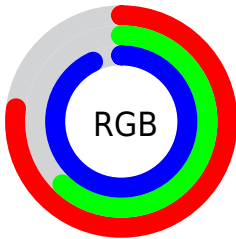
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 196, 158, 238 |
| Decimal | 12885742 |
| CIE Lab | 71.12, 29.25, -34.96 |
| CIE LCh | 71, 45.581, 309.917 |
| Yxy | 42.3625, 0.2814, 0.2364 |
| Android (android.graphics.Color) | 4291075822 (0xFFC49EEE) |
| YUV | 178.4820, 29.3424, 15.3633 |
| Hunter-Lab | 65.0865, 24.3878, -33.1521 |

Details

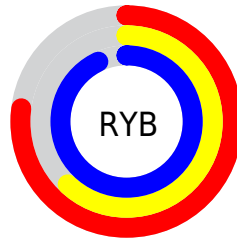
The XYZ color **50.4244, 42.3625, 86.4080** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **60.5667, 75.8980, 43.8071**, and the grayscale version is **42.4239, 44.6332, 48.6056**.

A 20% lighter version of the original color is **82.3523, 75.6911, 104.8772**, and **24.5820, 19.3482, 46.6949** is the 20% darker color. If you saturate the color by 10%, you get **43.6354, 33.4093, 85.0384**, and if you desaturate by 10%, it is **58.2731, 53.0309, 88.0542**.

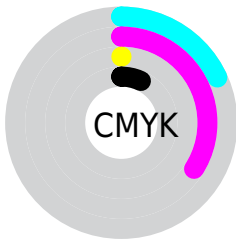
Distribution



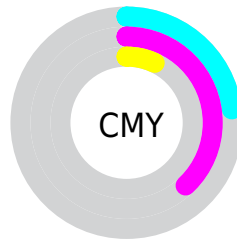
- Red (77%)
- Green (62%)
- Blue (93%)



- Red (77%)
- Yellow (62%)
- Blue (93%)



- Cyan (18%)
- Magenta (34%)
- Yellow (0%)
- Black (7%)





- Cyan (23%)
- Magenta (38%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.4244, 42.3625, 86.4080 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 50.4244, 42.3625, 86.4080 by changing the saturation by 10% instead.


 50.4244, 42.3625,
86.4080


 50.4244, 42.3625,
86.4080


378.7479,
355.9834, 536.5412

 35.9699, 29.3852,
64.4486


 89.9914, 78.7480,
144.2303

 24.5810, 19.3724,
46.5656


 115.8347,
102.9250, 180.9302

 15.8922, 11.9397,
32.3405


146.2049,
131.6040, 223.3808

 9.5383, 6.7026,
21.3547

181.4674,
165.1694, 272.0004

 5.1538, 3.2768,
13.1898

221.9877,
204.0057, 327.2078

 2.3735, 1.2779,
7.4271

268.1309,

 0.8319, 0.1240,

248.4972, 389.4213

3.6481

320.2625,
299.0283, 459.0596

■ 0.0000, 0.0000,
1.4344

■ 0.0000, 0.0000,
0.1683

■ 50.4244, 42.3625,
86.4080

■ 50.4244, 42.3625,
86.4080

■ 43.6354, 33.4093,
85.0384

■ 58.2731, 53.0309,
88.0542

■ 37.8496, 26.0716,
83.9270

■ 67.2254, 65.4963,
89.9885

■ 33.0114, 20.2471,
83.0578

■ 77.3277, 79.8415,
92.2249

■ 29.0574, 15.8194,
82.4115

■ 88.6225, 96.1424,
94.7760

■ 25.9147, 12.6539,
81.9662

■ 92.4327, 98.9531,
95.1177

■ 23.4961, 10.5878,
81.6948

■ 22.2493, 9.6871,
81.5867

Harmonies

Analogous

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



42.8427, 42.3625, 101.0848



50.4244, 42.3625, 86.4080



55.6642, 42.3625, 62.0986

Triad

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



50.4244, 42.3625, 86.4080



45.5115, 42.3625, 16.8600



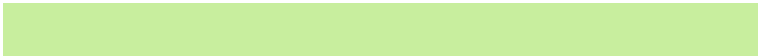
27.4795, 42.3625, 53.7421

Complementary

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



50.4244, 42.3625, 86.4080



60.5667, 75.8980, 43.8071

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.



28.0040, 42.3625, 33.1573



50.4244, 42.3625, 86.4080



37.7915, 42.3625, 15.8946

Square

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



50.4244, 42.3625, 86.4080



52.5889, 42.3625, 24.0870



31.5698, 42.3625, 20.8340



30.0334, 42.3625, 78.6574

Rectangle

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



50.4244, 42.3625, 86.4080



56.7778, 42.3625, 46.1861



31.5698, 42.3625, 20.8340



27.3101, 42.3625, 46.0651

Sweetspot

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



50.4258, 42.3642, 86.4090



82.6929, 82.3445, 106.1434



50.3436, 55.0617, 88.8641



17.3518, 17.1330, 22.6424



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.



50.4258, 42.3642, 86.4090



53.6498, 42.4824, 99.9800



62.0317, 48.3473, 86.9521



15.6115, 15.5969, 19.9093



12.5599, 5.4803, 45.5237



1.1590, 0.5147, 3.7925

Inverse Universe

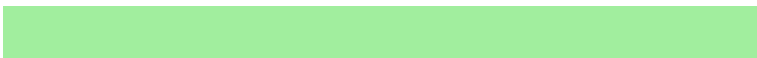
The Inverse Universe completely reimagines the original color for something new.



57.9133, 46.8026, 60.6265



63.8388, 48.5255, 64.7452



51.3783, 71.1612, 43.3771



16.1195, 15.8975, 18.1855



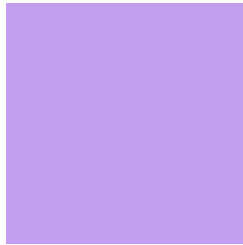
21.8008, 10.9927, 12.1335



1.8639, 0.9346, 1.2741

Previews

White Background



This preview shows how the XYZ color 50.4244, 42.3625, 86.4080 looks on a white background.

Color Contrast Check

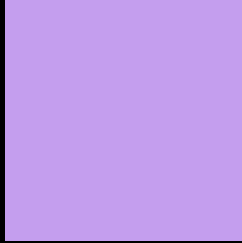
Large Text (above 18pt) WCAG AA × Fail

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 50.4244, 42.3625, 86.4080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

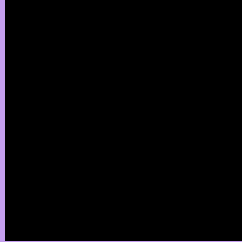
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.4244, 42.3625, 86.4080

Background



This preview shows how black text looks on a background with the XYZ color 50.4244, 42.3625, 86.4080.



This preview shows how white text looks on a background with the XYZ color 50.4244, 42.3625,

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

50.4244, 42.3625, 86.4080

Protanopia

44.4291, 42.8286, 95.5476

Deuteranopia

43.6525, 42.6713, 84.5329



Tritanopia

43.1250, 42.3181, 50.1513

Trichromacy



Original Color

50.4244, 42.3625, 86.4080

Protanomaly

46.2365, 42.4455, 92.1421

Deuteranomaly

45.7536, 42.3515, 85.1201

Tritanomaly

45.3510, 42.1217, 61.6172

Monochromacy



Original Color

50.4244, 42.3625, 86.4080

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

44.9958, 43.6102, 60.6897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4244, 42.3625, 86.4080 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(196, 158, 238)` looks like.

```
.text, #text, p{  
    color:rgb(196, 158, 238)  
}
```

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(196, 158, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 158, 238) }
```

Border

The CSS property to change the border of an element to XYZ 50.4244, 42.3625, 86.4080 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(196, 158, 238) }
```


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

```
.border{ border-color:rgb(196, 158, 238) }
```

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

Here you see how a box with a 4 pixel rgb(196, 158, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 158, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 158, 238);  
box-shadow:4px 4px 4px 4px rgb(196, 158,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4244, 42.3625, 86.4080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 158, 238) }
```

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

```
.background{ background-color: rgb(196,  
158, 238) }
```

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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