

Converting Colors

XYZ(51.3013, 45.1220, 87.1304)

Have a look what the booklet for
XYZ(51.3013, 45.1220, 87.1304)
contains.

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Color

**XYZ(51.2437, 45.1479,
86.9025)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | C1A7EE |
| RGB | 193, 167, 238 |
| RGB Percent | 76%, 65%, 93% |
| CMY | 0.2431, 0.3451, 0.0667 |
| CMYK | 0.19, 0.30, 0.00, 0.07 |
| HSL | 262°, 68%, 79% |
| HSV | 262°, 30%, 93% |
| XYZ | 51.2437, 45.1479, 86.9025 |
| YIQ | 182.8680, -7.2950, 27.5930 |

Conversions

Conversions Part 2

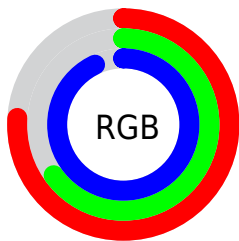
| Format | Color |
|-------------------------------------|-------------------------------|
| R _{YB} | 193, 167, 238 |
| Decimal | 12691438 |
| CIE _{Lab} | 72.99, 23.37, -32.09 |
| CIE _{LCh} | 73, 39.699, 306.068 |
| Yxy | 45.1479, 0.2796, 0.2463 |
| Android (android.graphics.Color) | 4290881518 (0xFFC1A7EE) |
| YUV | 182.8680, 27.1801, 8.8858 |
| Hunter-Lab | 67.1922, 18.5456, -29.6477 |

Details

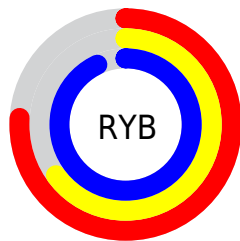
The XYZ color **51.2437, 45.1479, 86.9025** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **64.7021, 77.9371, 48.1942**, and the grayscale version is **44.7974, 47.1303, 51.3249**.

A 20% lighter version of the original color is **83.5956, 79.7865, 105.6021**, and **25.0555, 21.0421, 46.9969** is the 20% darker color. If you saturate the color by 10%, you get **43.6272, 35.3345, 85.4105**, and if you desaturate by 10%, it is **60.0578, 56.7718, 88.6823**.

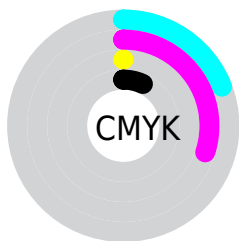
Distribution



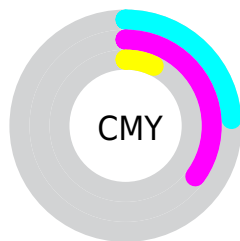
- Red (76%)
- Green (65%)
- Blue (93%)



- Red (76%)
- Yellow (65%)
- Blue (93%)



- Cyan (19%)
- Magenta (30%)
- Yellow (0%)
- Black (7%)





- Cyan (24%)
- Magenta (35%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2437, 45.1479, 86.9025 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 51.2437, 45.1479, 86.9025 by changing the saturation by 10% instead.


 51.2437, 45.1479,
86.9025


 51.2437, 45.1479,
86.9025


381.8820,
367.3722, 538.2103

 36.6244, 31.5739,
64.8554


 91.1957, 82.9423,
144.9259

 25.0892, 21.0363,
46.8932

 117.2592,
107.9315, 181.7392

 16.2726, 13.1505,
32.5975

147.8682,
137.4947, 224.3117

 9.8093, 7.5323,
21.5497

183.3879,
172.0160, 273.0619

 5.3340, 3.7972,
13.3313

224.1838,
211.8801, 328.4083

 2.4813, 1.5608,
7.5236

270.6212,

 0.8858, 0.3309,

257.4712, 390.7695

3.7083

323.0655,
309.1738, 460.5640

■ 0.0000, 0.0000,
1.4667

■ 0.0000, 0.0000,
0.1930

■ 51.2437, 45.1479,
86.9025

■ 51.2437, 45.1479,
86.9025

■ 43.6272, 35.3345,
85.4105

■ 60.0578, 56.7718,
88.6823

■ 37.1480, 27.2320,
84.1881

■ 70.1169, 70.2878,
90.7610

■ 31.7470, 20.7392,
83.2195

■ 81.4711, 85.7793,
93.1527

■ 27.3574, 15.7417,
82.4862

■ 91.8250, 98.6398,
95.0894

■ 23.9042, 12.1095,
81.9671

■ 92.4328, 98.9531,
95.1178

■ 21.2994, 9.6886,
81.6371

■ 19.4061, 8.2279,
81.4550

■ 19.3778, 8.2068,
81.4524

Harmonies

Analogous

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



44.3357, 45.1479, 97.7024



51.2437, 45.1479, 86.9025



56.2783, 45.1479, 66.3185

Triad

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



51.2437, 45.1479, 86.9025



48.5465, 45.1479, 21.8791



30.9795, 45.1479, 53.3036

Complementary

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



51.2437, 45.1479, 86.9025



64.7021, 77.9371, 48.1942

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.



31.8492, 45.1479, 35.2475



51.2437, 45.1479, 86.9025



41.5186, 45.1479, 20.1397

Square

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



51.2437, 45.1479, 86.9025



54.6075, 45.1479, 29.9414



35.5357, 45.1479, 24.3158



33.0179, 45.1479, 75.2199

Rectangle

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



51.2437, 45.1479, 86.9025



57.6237, 45.1479, 51.8214



35.5357, 45.1479, 24.3158



30.9447, 45.1479, 46.5882

Sweetspot

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



51.2452, 45.1497, 86.9035



83.0103, 83.5663, 106.3625



55.2024, 62.0540, 89.9578



17.3762, 17.3564, 22.6842



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.



51.2452, 45.1497, 86.9035



54.1608, 45.3311, 100.5029



61.0417, 50.2000, 87.3620



15.4438, 15.5105, 19.9015



10.9407, 4.6455, 45.4479



1.0159, 0.4410, 3.7858

Inverse Universe

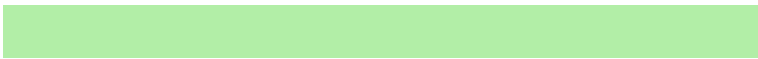
The Inverse Universe completely reimagines the original color for something new.



60.9635, 50.5697, 68.8364



67.4750, 52.7664, 75.3030



55.8309, 73.3638, 47.7791



16.1944, 15.9275, 18.5799



22.8452, 11.4105, 17.6332



1.9482, 0.9683, 1.7180

Previews

White Background



This preview shows how the XYZ color 51.2437, 45.1479, 86.9025 looks on a white background.

Color Contrast Check

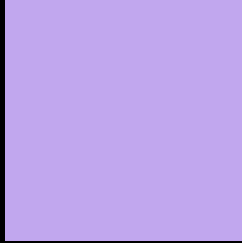
Large Text (above 18pt) WCAG AA × Fail

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 51.2437, 45.1479, 86.9025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

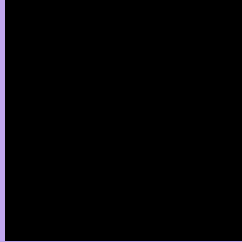
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.2437, 45.1479, 86.9025

Background



This preview shows how black text looks on a background with the XYZ color 51.2437, 45.1479, 86.9025.



This preview shows how white text looks on a background with the XYZ color 51.2437, 45.1479,

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

51.2437, 45.1479, 86.9025

Protanopia

46.5016, 45.4078, 92.6999

Deuteranopia

46.3915, 45.2138, 85.6389



Tritanopia

44.8272, 45.0827, 55.0544

Trichromacy



Original Color

51.2437, 45.1479, 86.9025

Protanomaly

47.7652, 44.9559, 90.1643

Deuteranomaly

48.1341, 45.2317, 86.3144

Tritanomaly

46.9451, 45.0835, 65.2592

Monochromacy



Original Color

51.2437, 45.1479, 86.9025

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

46.9951, 46.3209, 62.9638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2437, 45.1479, 86.9025 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(193, 167, 238)` looks like.

```
.text, #text, p{  
    color:rgb(193, 167, 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(193, 167, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 167, 238) }
```

Border

The CSS property to change the border of an element to XYZ 51.2437, 45.1479, 86.9025 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(193, 167, 238) }
```


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

```
.border{ border-color:rgb(193, 167, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 167, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 167, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 167, 238);  
box-shadow:4px 4px 4px 4px rgb(193, 167,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2437, 45.1479, 86.9025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 167, 238) }
```

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

```
.background{ background-color: rgb(193,  
167, 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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