

Converting Colors

XYZ(51.9150, 44.8033, 84.2063)

Have a look what the booklet for
XYZ(51.9150, 44.8033, 84.2063)
contains.

XYZ(51.8240, 44.6912, 84.4921)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(51.8240, 44.6912,
84.4921)**

Conversions

Conversions Part 1

Format	Color
Hex	C7A4EB
RGB	199, 164, 235
RGB Percent	78%, 64%, 92%
CMY	0.2196, 0.3568, 0.0784
CMYK	0.15, 0.30, 0.00, 0.08
HSL	270°, 64%, 78%
HSV	270°, 30%, 92%
XYZ	51.8240, 44.6912, 84.4921
YIQ	182.5590, -1.9310, 29.5010

Conversions

Conversions Part 2

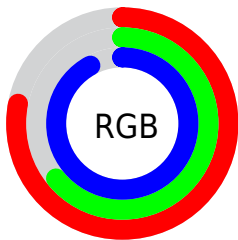
Format	Color
R_{YB}	199, 164, 235
Decimal	13083883
CIE _{Lab}	72.69, 26.20, -30.88
CIE _{LCh}	73, 40.495, 310.316
Yxy	44.6912, 0.2863, 0.2469
Android (android.graphics.Color)	4291273963 (0xFFC7A4EB)
YUV	182.5590, 25.8534, 14.4188
Hunter-Lab	66.8515, 21.3851, -28.1393

Details

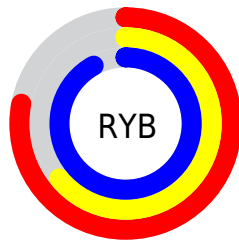
The XYZ color **51.8240, 44.6912, 84.4921** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **60.2301, 74.3775, 46.3058**, and the grayscale version is **44.6336, 46.9580, 51.1372**.

A 20% lighter version of the original color is **84.6215, 79.1430, 105.4238**, and **25.4325, 20.7723, 45.3168** is the 20% darker color. If you saturate the color by 10%, you get **44.9621, 35.4777, 83.0761**, and if you desaturate by 10%, it is **59.7135, 55.5900, 86.1807**.

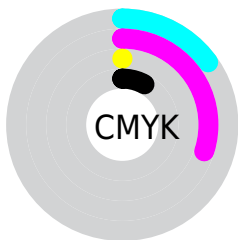
Distribution



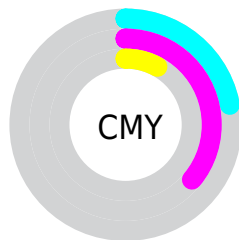
- Red (78%)
- Green (64%)
- Blue (92%)



- Red (78%)
- Yellow (64%)
- Blue (92%)



- Cyan (15%)
- Magenta (30%)
- Yellow (0%)
- Black (8%)





- Cyan (22%)
- Magenta (36%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8240, 44.6912, 84.4921 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 51.8240, 44.6912, 84.4921 by changing the saturation by 10% instead.

 51.8240, 44.6912,
84.4921


 51.8240, 44.6912,
84.4921


384.0919,
365.5215, 530.0466

 37.0885, 31.2143,
62.8741

 92.0474, 82.2568,
141.5312

 25.4500, 20.7621,
45.2990


 118.2660,
107.1143, 177.7893

 16.5432, 12.9502,
31.3483

149.0430,
136.5341, 219.7646

 10.0026, 7.3943,
20.6036

184.7438,
170.9006, 267.8755

 5.4630, 3.7099,
12.6461

225.7338,
210.5982, 322.5407

 2.5589, 1.5126,
7.0575

272.3782,

 0.9251, 0.2976,

256.0113, 384.1785

3.4191

325.0424,
307.5242, 453.2077

■ 0.0000, 0.0000,
1.3124

■ 0.0000, 0.0000,
0.0719

■ 51.8240, 44.6912,
84.4921

■ 51.8240, 44.6912,
84.4921

■ 44.9621, 35.4777,
83.0761

■ 59.7135, 55.5900,
86.1807

■ 39.0748, 27.8554,
81.9151

■ 68.6711, 68.2505,
88.1523

■ 34.1108, 21.7291,
80.9943

■ 78.7404, 82.7511,
90.4205

■ 30.0115, 16.9908,
80.2958

■ 88.9953, 97.2315,
92.6750

■ 26.7106, 13.5173,
79.7993

■ 91.9955, 98.7782,
92.8154

■ 24.1302, 11.1623,
79.4807

■ 22.1772, 9.7005,
79.3015

Harmonies

Analogous

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



44.9413, 44.6912, 97.4673



51.8240, 44.6912, 84.4921



56.4979, 44.6912, 62.8790

Triad

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



51.8240, 44.6912, 84.4921



47.1886, 44.6912, 20.5820



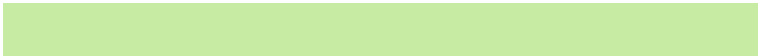
30.5328, 44.6912, 55.9182

Complementary

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



51.8240, 44.6912, 84.4921



60.2301, 74.3775, 46.3058

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.



30.9929, 44.6912, 36.7663



51.8240, 44.6912, 84.4921



40.1057, 44.6912, 19.6750

Square

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



51.8240, 44.6912, 84.4921



53.6242, 44.6912, 27.6886



34.3285, 44.6912, 24.7349



32.9938, 44.6912, 78.2056

Rectangle

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



51.8240, 44.6912, 84.4921



57.4570, 44.6912, 48.4479



34.3285, 44.6912, 24.7349



30.3582, 44.6912, 48.8750

Sweetspot

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



51.8255, 44.6930, 84.4931



84.0083, 84.0807, 106.4092



51.1197, 55.5182, 86.6198



17.6214, 17.4828, 22.6957



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.



51.8255, 44.6930, 84.4931



57.3226, 46.9611, 100.6509



62.1436, 50.0122, 84.9760



14.9384, 14.9135, 19.0135



12.4893, 5.4744, 44.1414



1.0916, 0.4870, 3.4713

Inverse Universe

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



57.9632, 48.3851, 60.9298



65.9741, 52.1660, 67.3996



51.9659, 70.1172, 45.9190



15.3842, 15.1815, 17.3083



20.9909, 10.5990, 11.0193



1.6969, 0.8517, 1.1212

Previews

White Background



This preview shows how the XYZ color 51.8240, 44.6912, 84.4921 looks on a white background.

Color Contrast Check

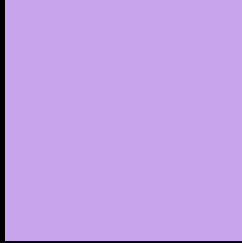
Large Text (above 18pt) WCAG AA × Fail

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 51.8240, 44.6912, 84.4921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

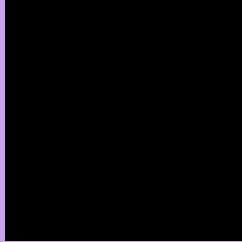
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.8240, 44.6912, 84.4921

Background



This preview shows how black text looks on a background with the XYZ color 51.8240, 44.6912, 84.4921.



This preview shows how white text looks on a background with the XYZ color 51.8240, 44.6912,

84.4921.

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

51.8240, 44.6912, 84.4921

Protanopia

46.1525, 44.9532, 91.8323

Deuteranopia

45.9743, 44.7586, 83.3070



Tritanopia

45.3991, 44.5514, 53.2202

Trichromacy



Original Color

51.8240, 44.6912, 84.4921

Protanomaly

48.0853, 44.8546, 89.3425

Deuteranomaly

48.0046, 44.6500, 83.9301

Tritanomaly

47.5219, 44.5784, 63.2266

Monochromacy



Original Color

51.8240, 44.6912, 84.4921

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

47.1723, 46.1338, 62.2956

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8240, 44.6912, 84.4921 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(199, 164, 235)` looks like.

```
.text, #text, p{  
    color:rgb(199, 164, 235)  
}
```

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(199, 164, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 164, 235) }
```

Border

The CSS property to change the border of an element to XYZ 51.8240, 44.6912, 84.4921 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(199, 164, 235) }
```


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

```
.border{ border-color:rgb(199, 164, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 164, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 164, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 164, 235);  
box-shadow:4px 4px 4px 4px rgb(199, 164,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8240, 44.6912, 84.4921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 164, 235) }
```

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

```
.background{ background-color: rgb(199,  
164, 235) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor