

Converting Colors

XYZ(45.7171, 33.7357, 84.3386)

Have a look what the booklet for
XYZ(45.7171, 33.7357, 84.3386)
contains.

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Color

**XYZ(45.5168, 33.5490,
84.1974)**

Conversions

Conversions Part 1

Format	Color
Hex	C282ED
RGB	194, 130, 237
RGB Percent	76%, 51%, 93%
CMY	0.2392, 0.4902, 0.0706
CMYK	0.18, 0.45, 0.00, 0.07
HSL	276°, 75%, 72%
HSV	276°, 45%, 93%
XYZ	45.5168, 33.5490, 84.1974
YIQ	161.3340, 3.7970, 46.8450

Conversions

Conversions Part 2

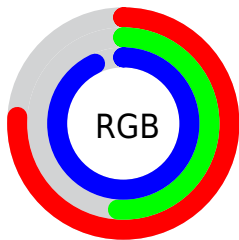
Format	Color
RYB	194, 130, 237
Decimal	12747501
CIELab	64.60, 43.76, -44.60
CIELCh	65, 62.483, 314.452
Yxy	33.5490, 0.2788, 0.2055
Android (android.graphics.Color)	4290937581 (0xFFC282ED)
YUV	161.3340, 37.3033, 28.6481
Hunter-Lab	57.9215, 38.9091, -45.6417

Details

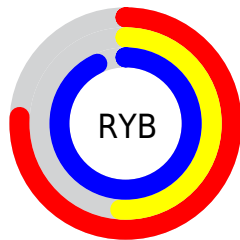
The XYZ color **45.5168, 33.5490, 84.1974** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **51.5480, 71.0651, 32.1205**, and the grayscale version is **33.8633, 35.6268, 38.7976**.

A 20% lighter version of the original color is **75.3354, 62.1964, 102.6422**, and **21.6177, 14.3314, 45.3429** is the 20% darker color. If you saturate the color by 10%, you get **40.3534, 26.7347, 83.1548**, and if you desaturate by 10%, it is **51.5652, 41.8986, 85.4908**.

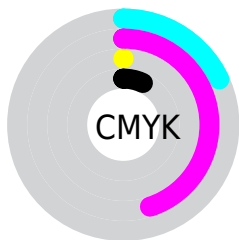
Distribution



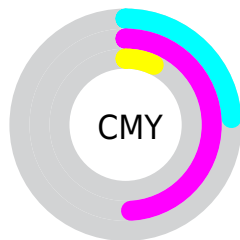
- Red (76%)
- Green (51%)
- Blue (93%)



- Red (76%)
- Yellow (51%)
- Blue (93%)



- Cyan (18%)
- Magenta (45%)
- Yellow (0%)
- Black (7%)





- Cyan (24%)
- Magenta (49%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5168, 33.5490, 84.1974 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 45.5168, 33.5490, 84.1974 by changing the saturation by 10% instead.


 45.5168, 33.5490,
84.1974


 45.5168, 33.5490,
84.1974

359.6112,
318.1163, 529.0437


 32.0677, 22.5473,
62.6321


 82.7277, 65.2317,
141.1155

 21.5690, 14.2596,
45.1046


 107.2202, 86.6816,
177.3053

 13.6554, 8.3015,
31.1962


 136.1245,
112.3829, 219.2071

 7.9615, 4.2884,
20.4886

169.8060,
142.7202, 267.2393

 4.1219, 1.8362,
12.5631

208.6301,
178.0778, 321.8205

 1.7713, 0.5096,
7.0012

252.9621,

 0.5003, 0.0000,

218.8401, 383.3693

3.3844

303.1673,
265.3915, 452.3042

■ 0.0000, 0.0000,
1.2941

■ 0.0000, 0.0000,
0.0570

■ 45.5168, 33.5490,
84.1974

■ 45.5168, 33.5490,
84.1974

■ 40.3534, 26.7347,
83.1548

■ 51.5652, 41.8986,
85.4908

■ 36.0180, 21.3491,
82.3438

■ 58.5435, 51.8723,
87.0481

■ 32.4517, 17.2780,
81.7459

■ 66.4977, 63.5568,
88.8842

■ 29.5852, 14.3870,
81.3390

■ 75.4694, 77.0314,
91.0122

■ 27.3336, 12.5115,
81.0957

■ 85.4976, 92.3704,
93.4444

■ 26.4001, 11.8439,
81.0160

■ 90.8831, 98.1712,
94.2802

■ 92.2862, 98.8945,
94.3459

Harmonies

Analogous

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



36.3765, 33.5490, 108.0300



45.5168, 33.5490, 84.1974



51.4997, 33.5490, 51.3920

Triad

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



45.5168, 33.5490, 84.1974



36.7248, 33.5490, 6.6531



17.9604, 33.5490, 50.2571

Complementary

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



45.5168, 33.5490, 84.1974



51.5480, 71.0651, 32.1205

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.



18.0185, 33.5490, 24.8497



45.5168, 33.5490, 84.1974



27.7835, 33.5490, 6.5750

Square

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



45.5168, 33.5490, 84.1974



45.8125, 33.5490, 11.7480



21.2927, 33.5490, 11.4379



21.1154, 33.5490, 83.0396

Rectangle

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



45.5168, 33.5490, 84.1974



52.2989, 33.5490, 32.8365



21.2927, 33.5490, 11.4379



17.6266, 33.5490, 40.4888

Sweetspot

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



45.5180, 33.5504, 84.1982



79.6173, 76.6795, 105.2121



39.7421, 41.3595, 86.0099



16.5784, 15.7245, 22.4113



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.



45.5180, 33.5504, 84.1982



48.1758, 32.2456, 98.2926



56.9237, 39.5770, 78.0991



15.0953, 14.9944, 19.0209



14.5656, 6.5447, 44.2385



1.2519, 0.5697, 3.4789

Inverse Universe

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



50.4515, 36.9881, 44.0166



55.1440, 37.0557, 43.5973



44.1453, 67.1767, 35.0352



15.3163, 15.1544, 16.9508



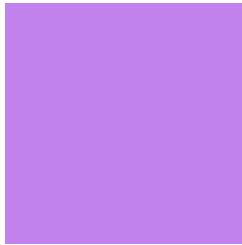
20.2624, 10.3076, 7.1829



1.6375, 0.8280, 0.8085

Previews

White Background



This preview shows how the XYZ color 45.5168, 33.5490, 84.1974 looks on a white background.

Color Contrast Check

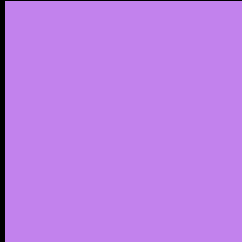
Large Text (above 18pt) WCAG AA × Fail

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 45.5168, 33.5490, 84.1974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

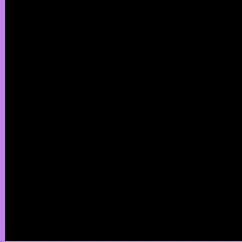
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.5168, 33.5490, 84.1974

Background



This preview shows how black text looks on a background with the XYZ color 45.5168, 33.5490, 84.1974.

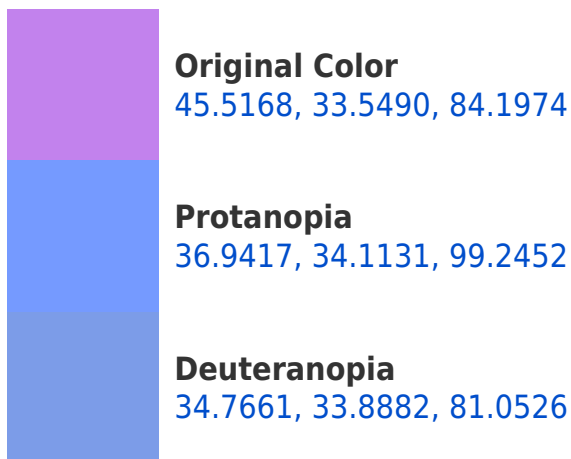


This preview shows how white text looks on a background with the XYZ color 45.5168, 33.5490,

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





Tritanopia

35.9040, 33.5068, 37.3760

Trichromacy



Original Color

45.5168, 33.5490, 84.1974



Protanomaly

38.7457, 33.0479, 93.1437



Deuteranomaly

37.6794, 33.1975, 82.2637



Tritanomaly

38.7442, 33.0767, 51.3561

Monochromacy



Original Color

45.5168, 33.5490, 84.1974



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

37.3252, 34.3711, 52.8111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5168, 33.5490, 84.1974 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(194, 130, 237)` looks like.

```
.text, #text, p{  
    color:rgb(194, 130, 237)  
}
```

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(194, 130, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 130, 237) }
```

Border

The CSS property to change the border of an element to XYZ 45.5168, 33.5490, 84.1974 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(194, 130, 237) }
```


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

```
.border{ border-color:rgb(194, 130, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 130, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 130, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 130, 237);  
box-shadow:4px 4px 4px 4px rgb(194, 130,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5168, 33.5490, 84.1974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 130, 237) }
```

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

```
.background{ background-color: rgb(194,  
130, 237) }
```

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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