

Converting Colors

XYZ(45.8476, 34.0999, 69.8120)

Have a look what the booklet for
XYZ(45.8476, 34.0999, 69.8120)
contains.

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Color

**XYZ(45.6839, 33.9542,
69.7916)**

Conversions

Conversions Part 1

Format	Color
Hex	CD82D9
RGB	205, 130, 217
RGB Percent	80%, 51%, 85%
CMY	0.1961, 0.4902, 0.1490
CMYK	0.06, 0.40, 0.00, 0.15
HSL	292°, 53%, 68%
HSV	292°, 40%, 85%
XYZ	45.6839, 33.9542, 69.7916
YIQ	162.3430, 16.7730, 42.9570

Conversions

Conversions Part 2

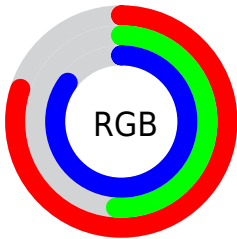
Format	Color
R_{YB}	205, 130, 217
Decimal	13468377
CIE _{Lab}	64.93, 42.84, -32.91
CIE _{LCh}	65, 54.026, 322.466
Yxy	33.9542, 0.3057, 0.2272
Android (android.graphics.Color)	4291658457 (0xFFCD82D9)
YUV	162.3430, 26.9459, 37.4102
Hunter-Lab	58.2702, 37.9712, -30.2238

Details

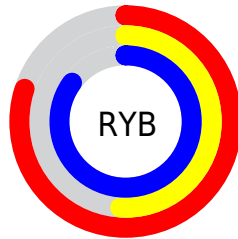
The XYZ color **45.6839, 33.9542, 69.7916** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **39.9985, 56.9890, 30.0125**, and the grayscale version is **34.3766, 36.1668, 39.3857**.

A 20% lighter version of the original color is **76.4305, 62.7610, 102.6935**, and **21.6404, 14.4470, 35.8304** is the 20% darker color. If you saturate the color by 10%, you get **42.2787, 28.3571, 68.8912**, and if you desaturate by 10%, it is **49.7158, 40.7796, 70.8970**.

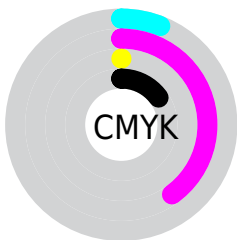
Distribution



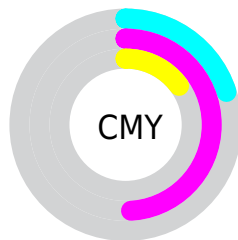
- Red (80%)
- Green (51%)
- Blue (85%)



- Red (80%)
- Yellow (51%)
- Blue (85%)



- Cyan (6%)
- Magenta (40%)
- Yellow (0%)
- Black (15%)





- Cyan (20%)
- Magenta (49%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6839, 33.9542, 69.7916 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 45.6839, 33.9542, 69.7916 by changing the saturation by 10% instead.


 45.6839, 33.9542,
69.7916


 45.6839, 33.9542,
69.7916

360.2736,
319.9278, 478.5873


 32.2000, 22.8584,
50.8809


 82.9765, 65.8624,
120.5898

 21.6706, 14.4890,
35.7378


 107.5159, 87.4437,
153.3145

 13.7303, 8.4615,
23.9436


 136.4712,
113.2889, 191.4808

 8.0138, 4.3917,
15.0800

170.2078,
143.7824, 235.5074

 4.1556, 1.8950,
8.7283

209.0910,
179.3087, 285.8128

 1.7906, 0.5454,
4.4700

253.4861,

 0.5120, 0.0000,

220.2520, 342.8156

1.8866

303.7585,
266.9970, 406.9342

■ 0.0000, 0.0000,
0.4842

■ 0.0000, 0.0000,
0.0000

■ 45.6839, 33.9542,
69.7916

■ 45.6839, 33.9542,
69.7916

■ 42.2787, 28.3571,
68.8912

■ 49.7158, 40.7796,
70.8970

■ 39.4581, 23.9066,
68.1809

■ 54.4062, 48.8995,
72.2171

■ 37.1802, 20.5182,
67.6469

■ 59.7890, 58.3802,
73.7634

■ 35.3957, 18.0938,
67.2730

■ 65.8945, 69.2826,
75.5460

34.0464, 16.5167,
67.0397

72.7513, 81.6637,
77.5744

33.0354, 15.5835,
66.9129

78.7034, 92.2113,
79.2966

79.6336, 92.6909,
79.3401

80.5802, 93.1788,
79.3844

81.5432, 93.6753,
79.4295

Harmonies

Analogous

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



38.3485, 33.9542, 92.5510



45.6839, 33.9542, 69.7916



49.5378, 33.9542, 42.8919

Triad

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



45.6839, 33.9542, 69.7916



34.2788, 33.9542, 8.6473



20.3039, 33.9542, 55.9293

Complementary

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



45.6839, 33.9542, 69.7916



39.9985, 56.9890, 30.0125

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.



19.5723, 33.9542, 31.6205



45.6839, 33.9542, 69.7916



26.8747, 33.9542, 9.7909

Square

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



45.6839, 33.9542, 69.7916



42.2973, 33.9542, 12.3014



21.7820, 33.9542, 16.4932



23.9717, 33.9542, 82.5528

Rectangle

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



45.6839, 33.9542, 69.7916



49.2402, 33.9542, 28.4534



21.7820, 33.9542, 16.4932



19.7333, 33.9542, 47.0369

Sweetspot

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



45.6850, 33.9557, 69.7923



84.5176, 81.2149, 105.8292



31.5617, 29.4171, 69.6607



17.8647, 16.9847, 22.5868



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.



45.6850, 33.9557, 69.7923



61.6824, 42.0833, 99.4796



45.5205, 34.2870, 50.9815



13.4286, 13.1791, 16.4882



20.0645, 9.4678, 40.5084



1.3496, 0.6390, 2.6267

Inverse Universe

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



41.4815, 32.6714, 29.7125



55.0363, 40.1111, 33.4774



40.4046, 56.9262, 42.3243



13.1288, 13.0806, 13.9396



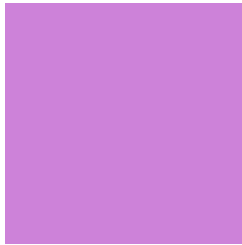
17.4862, 8.9955, 1.6743



1.1569, 0.5924, 0.2352

Previews

White Background



This preview shows how the XYZ color 45.6839, 33.9542, 69.7916 looks on a white background.

Color Contrast Check

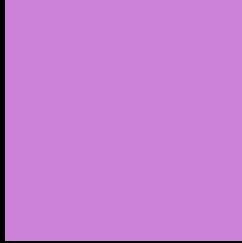
Large Text (above 18pt) WCAG AA × Fail

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 45.6839, 33.9542, 69.7916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

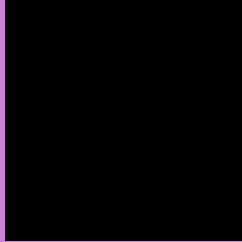
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.6839, 33.9542, 69.7916

Background



This preview shows how black text looks on a background with the XYZ color 45.6839, 33.9542, 69.7916.

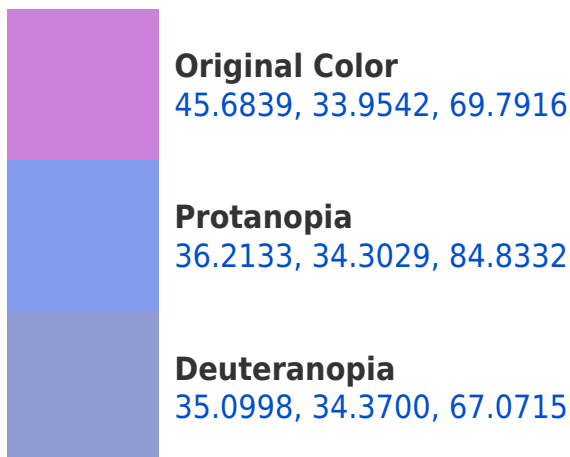


This preview shows how white text looks on a background with the XYZ color 45.6839, 33.9542,

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

38.4201, 33.7138, 35.0543

Trichromacy



Original Color

45.6839, 33.9542, 69.7916



Protanomaly

38.4664, 33.4390, 79.2899



Deuteranomaly

38.2972, 33.8295, 68.1296



Tritanomaly

40.5775, 33.4934, 45.9212

Monochromacy



Original Color

45.6839, 33.9542, 69.7916



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

37.7099, 34.6551, 48.9575

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6839, 33.9542, 69.7916 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(205, 130, 217)` looks like.

```
.text, #text, p{  
    color:rgb(205, 130, 217)  
}
```

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(205, 130, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 130, 217) }
```

Border

The CSS property to change the border of an element to XYZ 45.6839, 33.9542, 69.7916 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(205, 130, 217) }
```


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

```
.border{ border-color:rgb(205, 130, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 130, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 130, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 130, 217);  
box-shadow:4px 4px 4px 4px rgb(205, 130,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6839, 33.9542, 69.7916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 130, 217) }
```

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

```
.background{ background-color: rgb(205,  
130, 217) }
```

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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