

Converting Colors

XYZ(46.0954, 34.7968, 64.9413)

Have a look what the booklet for
XYZ(46.0954, 34.7968, 64.9413)
contains.

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Color

**XYZ(46.3149, 34.9835,
65.2842)**

Conversions

Conversions Part 1

Format	Color
Hex	D185D2
RGB	209, 133, 210
RGB Percent	82%, 52%, 82%
CMY	0.1804, 0.4784, 0.1765
CMYK	0.00, 0.37, 0.00, 0.18
HSL	299°, 46%, 67%
HSV	299°, 37%, 82%
XYZ	46.3149, 34.9835, 65.2842
YIQ	164.5020, 20.5790, 40.0590

Conversions

Conversions Part 2

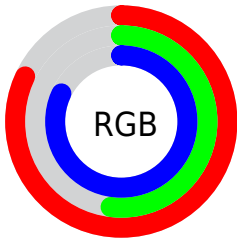
Format	Color
R _{YB}	209, 133, 210
Decimal	13731282
CIE Lab	65.74, 41.15, -27.72
CIE LCh	66, 49.616, 326.030
Yxy	34.9835, 0.3160, 0.2387
Android (android.graphics.Color)	4291921362 (0xFFD185D2)
YUV	164.5020, 22.4305, 39.0247
Hunter-Lab	59.1469, 36.2673, -24.0394

Details

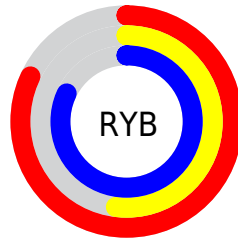
The XYZ color **46.3149, 34.9835, 65.2842** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **37.1129, 52.8558, 30.4381**, and the grayscale version is **35.4163, 37.2607, 40.5769**.

A 20% lighter version of the original color is **77.0603, 64.0206, 102.9034**, and **21.9957, 15.0237, 32.7509** is the 20% darker color. If you saturate the color by 10%, you get **43.6455, 29.7583, 64.4168**, and if you desaturate by 10%, it is **49.5614, 41.3613, 66.3446**.

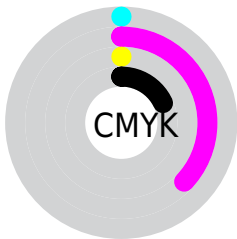
Distribution



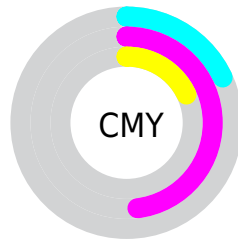
- Red (82%)
- Green (52%)
- Blue (82%)



- Red (82%)
- Yellow (52%)
- Blue (82%)



- Cyan (0%)
- Magenta (37%)
- Yellow (0%)
- Black (18%)





- Cyan (18%)
- Magenta (48%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3149, 34.9835, 65.2842 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 46.3149, 34.9835, 65.2842 by changing the saturation by 10% instead.


 46.3149, 34.9835,
65.2842


 46.3149, 34.9835,
65.2842


362.7680,
324.4955, 462.1467


 32.7001, 23.6502,
47.2388

 83.9151, 67.4602,
114.0755

 22.0549, 15.0743,
32.8687


 108.6311, 89.3724,
145.6585

 14.0141, 8.8716,
21.7556


 137.7782,
115.5796, 182.5911

 8.2122, 4.6575,
13.4808

171.7218,
146.4663, 225.2918

 4.2840, 2.0477,
7.6259

210.8272,
182.4168, 274.1791

 1.8640, 0.6350,
3.7722

255.4598,

 0.5558, 0.0000,

223.8156, 329.6717

1.5012

305.9850,
271.0470, 392.1881

■ 0.0000, 0.0000,
0.2188

■ 0.0000, 0.0000,
0.0000

■ 46.3149, 34.9835,
65.2842

■ 46.3149, 34.9835,
65.2842

■ 43.6455, 29.7583,
64.4168

■ 49.5614, 41.3613,
66.3446

■ 41.5154, 25.6123,
63.7288


■ 53.4133, 48.9502,
67.6064


■ 39.8876, 22.4706,
63.2082


■ 57.9009, 57.8103,
69.0801


■ 38.7190, 20.2472,
62.8407


■ 63.0515, 67.9965,
70.7747


 37.9593, 18.8415,
62.6094


 68.8911, 79.5603,
72.6990


 37.5436, 18.1234,
62.4927

 74.1530, 89.9685,
74.4307

 37.4421, 17.9583,
62.4662

 74.2309, 90.0087,
74.4343

 74.3091, 90.0489,
74.4380

 74.3873, 90.0893,
74.4416

Harmonies

Analogous

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



39.8044, 34.9835, 86.8860



46.3149, 34.9835, 65.2842



49.3263, 34.9835, 40.9453

Triad

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



46.3149, 34.9835, 65.2842



34.2330, 34.9835, 10.4015



22.1576, 34.9835, 58.6149

Complementary

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



46.3149, 34.9835, 65.2842



37.1129, 52.8558, 30.4381

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.



21.1131, 34.9835, 35.3727



46.3149, 34.9835, 65.2842



27.4591, 34.9835, 12.1703

Square

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



46.3149, 34.9835, 65.2842



41.7342, 34.9835, 13.5192



22.9080, 34.9835, 19.7430



26.0027, 34.9835, 82.1477

Rectangle

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



46.3149, 34.9835, 65.2842



48.6626, 34.9835, 28.0265



22.9080, 34.9835, 19.7430



21.4940, 34.9835, 50.3158

Sweetspot

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



46.3160, 34.9850, 65.2849



86.6116, 83.3218, 106.1255



29.8715, 26.7700, 64.5660



18.3346, 17.4318, 22.6483



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.



46.3160, 34.9850, 65.2849



68.5488, 47.7898, 100.2192



42.4889, 33.4869, 43.6509



12.2950, 12.0009, 14.9120



22.8460, 10.9579, 38.1034



1.2824, 0.6153, 2.1307

Inverse Universe

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



39.2701, 32.1994, 26.7010



56.0861, 42.8664, 31.8063



39.9969, 53.9911, 46.4524



11.8149, 11.8107, 12.3010



16.2244, 8.3626, 0.8217



0.9094, 0.4685, 0.0577

Previews

White Background



This preview shows how the XYZ color 46.3149, 34.9835, 65.2842 looks on a white background.

Color Contrast Check

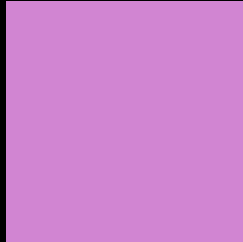
Large Text (above 18pt) WCAG AA × Fail

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 46.3149, 34.9835, 65.2842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

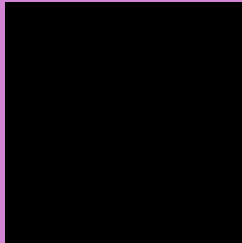
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.3149, 34.9835, 65.2842

Background



This preview shows how black text looks on a background with the XYZ color 46.3149, 34.9835, 65.2842.



This preview shows how white text looks on a background with the XYZ color 46.3149, 34.9835,

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

46.3149, 34.9835, 65.2842

Protanopia

36.6862, 35.4292, 79.0337

Deuteranopia

35.9600, 35.1495, 63.2817



Tritanopia

40.2468, 34.8696, 35.6196

Trichromacy



Original Color

46.3149, 34.9835, 65.2842



Protanomaly

39.0365, 34.5553, 73.7196



Deuteranomaly

38.8656, 34.4555, 63.6336



Tritanomaly

42.2928, 34.8304, 45.0513

Monochromacy



Original Color

46.3149, 34.9835, 65.2842



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

38.7878, 35.9424, 48.6093

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3149, 34.9835, 65.2842 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(209, 133, 210)` looks like.

```
.text, #text, p{  
    color:rgb(209, 133, 210)  
}
```

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(209, 133, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 133, 210) }
```

Border

The CSS property to change the border of an element to XYZ 46.3149, 34.9835, 65.2842 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(209, 133, 210) }
```


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

```
.border{ border-color:rgb(209, 133, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 133, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 133, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 133, 210);  
box-shadow:4px 4px 4px 4px rgb(209, 133,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3149, 34.9835, 65.2842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 133, 210) }
```

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

```
.background{ background-color: rgb(209,  
133, 210) }
```

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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