

Converting Colors

XYZ(48.9083, 34.9342, 78.6633)

Have a look what the booklet for
XYZ(48.9083, 34.9342, 78.6633)
contains.

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Color

**XYZ(49.1535, 35.1486,
79.0566)**

Conversions

Conversions Part 1

Format	Color
Hex	D480E6
RGB	212, 128, 230
RGB Percent	83%, 50%, 90%
CMY	0.1686, 0.4980, 0.0980
CMYK	0.08, 0.44, 0.00, 0.10
HSL	289°, 67%, 70%
HSV	289°, 44%, 90%
XYZ	49.1535, 35.1486, 79.0566
YIQ	164.7440, 17.3220, 49.5300

Conversions

Conversions Part 2

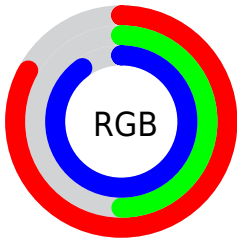
Format	Color
R _Y B	212, 128, 230
Decimal	13926630
CIE Lab	65.86, 48.47, -38.61
CIE LCh	66, 61.973, 321.460
Yxy	35.1486, 0.3009, 0.2152
Android (android.graphics.Color)	4292116710 (0xFFD480E6)
YUV	164.7440, 32.1712, 41.4435
Hunter-Lab	59.2863, 44.2412, -37.5612

Details

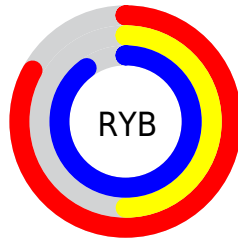
The XYZ color **49.1535, 35.1486, 79.0566** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **44.0483, 64.2640, 30.5063**, and the grayscale version is **35.4879, 37.3360, 40.6589**.

A 20% lighter version of the original color is **76.2235, 62.3470, 102.6245**, and **23.6736, 15.0567, 41.7029** is the 20% darker color. If you saturate the color by 10%, you get **45.3315, 29.2190, 78.1140**, and if you desaturate by 10%, it is **53.6872, 42.4561, 80.2287**.

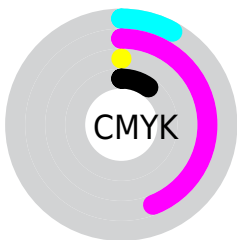
Distribution



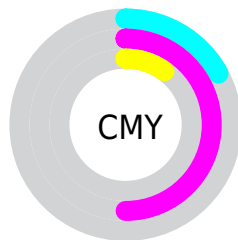
- Red (83%)
- Green (50%)
- Blue (90%)



- Red (83%)
- Yellow (50%)
- Blue (90%)



- Cyan (8%)
- Magenta (44%)
- Yellow (0%)
- Black (10%)





- Cyan (17%)
- Magenta (50%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1535, 35.1486, 79.0566 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 49.1535, 35.1486, 79.0566 by changing the saturation by 10% instead.


 49.1535, 35.1486,
79.0566


 49.1535, 35.1486,
79.0566


373.8532,
325.2238, 511.3705


 34.9563, 23.7774,
58.4208


 88.1187, 67.7159,
133.8379

 23.7956, 15.1686,
41.7301

 113.6175, 89.6808,
168.8205

 15.3060, 8.9378,
28.5660


 143.6141,
115.9456, 209.4224

 9.1221, 4.7006,
18.5100

178.4740,
146.8949, 256.0621

 4.8787, 2.0727,
11.1435

218.5625,
182.9129, 309.1583

 2.2103, 0.6492,
6.0481

264.2450,

 0.7481, 0.0000,

224.3842, 369.1293

2.8051

315.8868,
271.6930, 436.3939

■ 0.0000, 0.0000,
0.9960

■ 0.0000, 0.0000,
0.0000

■ 49.1535, 35.1486,
79.0566

■ 49.1535, 35.1486,
79.0566

■ 45.3315, 29.2190,
78.1140

■ 53.6872, 42.4561,
80.2287

■ 42.1708, 24.5695,
77.3832


■ 58.9714, 51.2215,
81.6421


■ 39.6201, 21.0970,
76.8474


■ 65.0461, 61.5237,
83.3104


■ 37.6184, 18.6798,
76.4863


■ 71.9476, 73.4350,
85.2458


 36.0914, 17.1696,
76.2753


 79.7099, 87.0227,
87.4594

 35.3720, 16.5850,
76.2004

 84.7529, 95.1268,
88.7578

 86.1186, 95.8309,
88.8217

 87.5152, 96.5508,
88.8871

 88.9428, 97.2868,
88.9539

Harmonies

Analogous

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



40.2700, 35.1486, 106.9705



49.1535, 35.1486, 79.0566



54.0130, 35.1486, 46.2559

Triad

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



49.1535, 35.1486, 79.0566



36.0905, 35.1486, 6.9318



19.5576, 35.1486, 59.8348

Complementary

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



49.1535, 35.1486, 79.0566



44.0483, 64.2640, 30.5063

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.



18.8490, 35.1486, 31.2621



49.1535, 35.1486, 79.0566



27.3729, 35.1486, 7.9147

Square

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



49.1535, 35.1486, 79.0566



45.6189, 35.1486, 10.8320



21.4445, 35.1486, 14.6706



23.5968, 35.1486, 92.7928

Rectangle

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



49.1535, 35.1486, 79.0566



53.7987, 35.1486, 29.1035



21.4445, 35.1486, 14.6706



18.9555, 35.1486, 49.1856

Sweetspot

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



49.1547, 35.1501, 79.0574



83.2519, 79.5502, 105.5746



33.5736, 31.0783, 79.0926



17.4293, 16.3593, 22.4890



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.



49.1547, 35.1501, 79.0574



57.7521, 37.6309, 98.8274



50.5118, 36.3262, 57.5954



14.7325, 14.4799, 18.1627



20.1189, 9.4376, 43.1444



1.5524, 0.7313, 3.1913

Inverse Universe

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



45.5417, 34.3381, 31.4232



52.9495, 36.6613, 30.5509



43.5716, 63.7323, 43.4022



14.4803, 14.4093, 15.4637



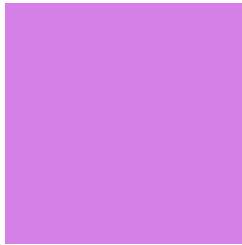
18.7290, 9.6258, 2.2019



1.4145, 0.7235, 0.3235

Previews

White Background



This preview shows how the XYZ color 49.1535, 35.1486, 79.0566 looks on a white background.

Color Contrast Check

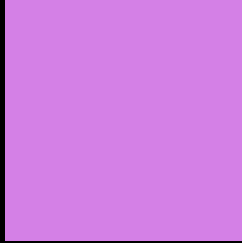
Large Text (above 18pt) WCAG AA × Fail

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 49.1535, 35.1486, 79.0566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

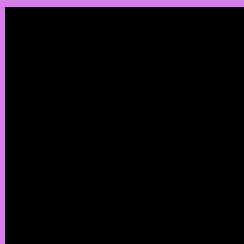
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.1535, 35.1486, 79.0566

Background



This preview shows how black text looks on a background with the XYZ color 49.1535, 35.1486, 79.0566.

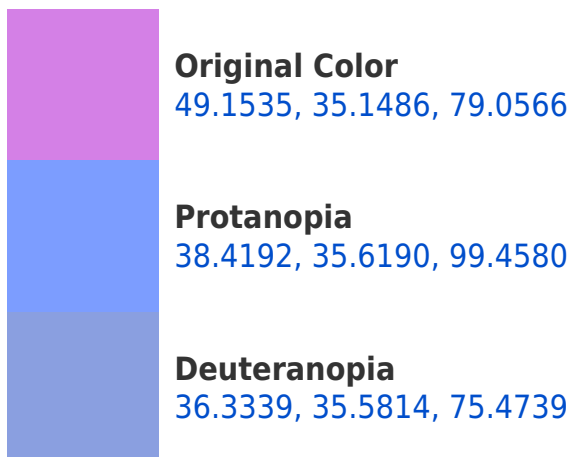


This preview shows how white text looks on a background with the XYZ color 49.1535, 35.1486,

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

40.4833, 35.2077, 36.1145

Trichromacy



Original Color

49.1535, 35.1486, 79.0566



Protanomaly

40.6237, 34.2795, 91.6643



Deuteranomaly

39.8344, 34.6701, 76.5440



Tritanomaly

43.2335, 35.0059, 49.2779

Monochromacy



Original Color

49.1535, 35.1486, 79.0566



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

39.7049, 36.0757, 53.0147

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1535, 35.1486, 79.0566 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(212, 128, 230)` looks like.

```
.text, #text, p{  
    color:rgb(212, 128, 230)  
}
```

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(212, 128, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 128, 230) }
```

Border

The CSS property to change the border of an element to XYZ 49.1535, 35.1486, 79.0566 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(212, 128, 230) }
```


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

```
.border{ border-color:rgb(212, 128, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 128, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 128, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 128, 230);  
box-shadow:4px 4px 4px 4px rgb(212, 128,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1535, 35.1486, 79.0566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 128, 230) }
```

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

```
.background{ background-color: rgb(212,  
128, 230) }
```

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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