

Converting Colors

XYZ(49.2988, 35.3238, 78.2102)

Have a look what the booklet for
XYZ(49.2988, 35.3238, 78.2102)
contains.

XYZ(49.3026, 35.2416, 78.3325)	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(49.3026, 35.2416,
78.3325)**

Conversions

Conversions Part 1

Format	Color
Hex	D580E5
RGB	213, 128, 229
RGB Percent	84%, 50%, 90%
CMY	0.1647, 0.4980, 0.1020
CMYK	0.07, 0.44, 0.00, 0.10
HSL	290°, 66%, 70%
HSV	290°, 44%, 90%
XYZ	49.3026, 35.2416, 78.3325
YIQ	164.9290, 18.2390, 49.4310

Conversions

Conversions Part 2

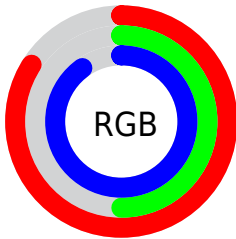
Format	Color
R _{YB}	213, 128, 229
Decimal	13992165
CIE Lab	65.94, 48.57, -37.94
CIE LCh	66, 61.629, 322.005
Yxy	35.2416, 0.3027, 0.2164
Android (android.graphics.Color)	4292182245 (0xFFD580E5)
YUV	164.9290, 31.5870, 42.1583
Hunter-Lab	59.3646, 44.3569, -36.6788

Details

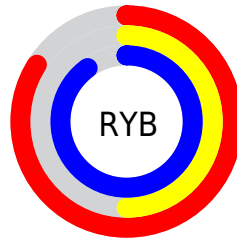
The XYZ color **49.3026, 35.2416, 78.3325** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **43.4183, 63.5272, 30.3972**, and the grayscale version is **35.5786, 37.4315, 40.7629**.

A 20% lighter version of the original color is **76.2235, 62.3470, 102.6245**, and **23.7692, 15.1172, 41.2003** is the 20% darker color. If you saturate the color by 10%, you get **45.6057, 29.3916, 77.3987**, and if you desaturate by 10%, it is **53.6995, 42.4547, 79.4936**.

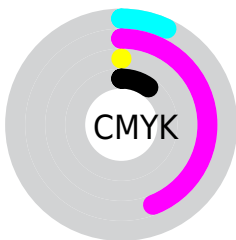
Distribution



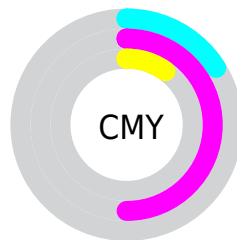
- Red (84%)
- Green (50%)
- Blue (90%)



- Red (84%)
- Yellow (50%)
- Blue (90%)



- Cyan (7%)
- Magenta (44%)
- Yellow (0%)
- Black (10%)



- Cyan (16%)
- Magenta (50%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3026, 35.2416, 78.3325 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 49.3026, 35.2416, 78.3325 by changing the saturation by 10% instead.

49.3026, 35.2416,
78.3325

49.3026, 35.2416,
78.3325

374.4296,
325.6335, 508.8531

35.0751, 23.8490,
57.8291

88.3387, 67.8599,
132.8089

23.8875, 15.2217,
41.2575

113.8781, 89.8544,
167.6189

15.3745, 8.9751,
28.1991

143.9188,
116.1517, 208.0349

9.1707, 4.7250,
18.2355

178.8261,
147.1361, 254.4754

4.9107, 2.0868,
10.9480

218.9656,
183.1921, 307.3589

2.2292, 0.6572,
5.9181

264.7024,

0.7580, 0.0000,

224.7041, 367.1040

2.7274

316.4019,
272.0564, 434.1292

■ 0.0000, 0.0000,
0.9572

■ 0.0000, 0.0000,
0.0000

■ 49.3026, 35.2416,
78.3325

■ 49.3026, 35.2416,
78.3325

■ 45.6057, 29.3916,
77.3987

■ 53.6995, 42.4547,
79.4936

■ 42.5590, 24.8082,
76.6746


■ 58.8344, 51.1097,
80.8935


■ 40.1119, 21.3897,
76.1437


■ 64.7470, 61.2846,
82.5458


■ 38.2046, 19.0162,
75.7861


■ 71.4729, 73.0507,
84.4624


 36.7639, 17.5421,
75.5775


 79.0457, 86.4746,
86.6544

 36.0651, 16.9585,
75.5017

 84.0872, 94.7998,
87.9956

 85.2957, 95.4228,
88.0521

 86.5287, 96.0585,
88.1098

 87.7864, 96.7068,
88.1687

Harmonies

Analogous

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



40.5054, 35.2416, 106.3055



49.3026, 35.2416, 78.3325



54.0346, 35.2416, 45.7892

Triad

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



49.3026, 35.2416, 78.3325



35.9946, 35.2416, 7.0312



19.7267, 35.2416, 60.4325

Complementary

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



49.3026, 35.2416, 78.3325



43.4183, 63.5272, 30.3972

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.



18.9591, 35.2416, 31.8026



49.3026, 35.2416, 78.3325



27.3460, 35.2416, 8.1044

Square

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



49.3026, 35.2416, 78.3325



45.4918, 35.2416, 10.8425



21.4903, 35.2416, 15.0163



23.8195, 35.2416, 93.1144

Rectangle

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



49.3026, 35.2416, 78.3325



53.7420, 35.2416, 28.8455



21.4903, 35.2416, 15.0163



19.1052, 35.2416, 49.7944

Sweetspot

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



49.3038, 35.2431, 78.3333



83.4658, 79.6605, 105.5846



33.1463, 30.4478, 78.2593



17.4826, 16.3867, 22.4915



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.



49.3038, 35.2431, 78.3333



58.5459, 38.0401, 98.8645



49.9214, 36.0530, 56.1565



14.7591, 14.4936, 18.1640



20.7051, 9.7398, 43.1719



1.5905, 0.7509, 3.1931

Inverse Universe

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



45.0674, 34.1114, 30.5958



52.7655, 36.5877, 29.5816



43.4145, 63.2255, 43.9443



14.4696, 14.4050, 15.4074



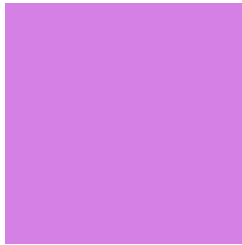
18.6880, 9.6094, 1.9859



1.4095, 0.7215, 0.2970

Previews

White Background



This preview shows how the XYZ color 49.3026, 35.2416, 78.3325 looks on a white background.

Color Contrast Check

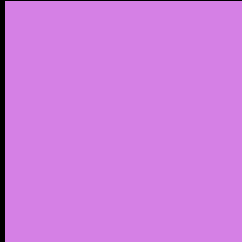
Large Text (above 18pt) WCAG AA × Fail

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 49.3026, 35.2416, 78.3325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

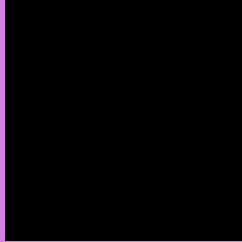
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.3026, 35.2416, 78.3325

Background



This preview shows how black text looks on a background with the XYZ color 49.3026, 35.2416, 78.3325.

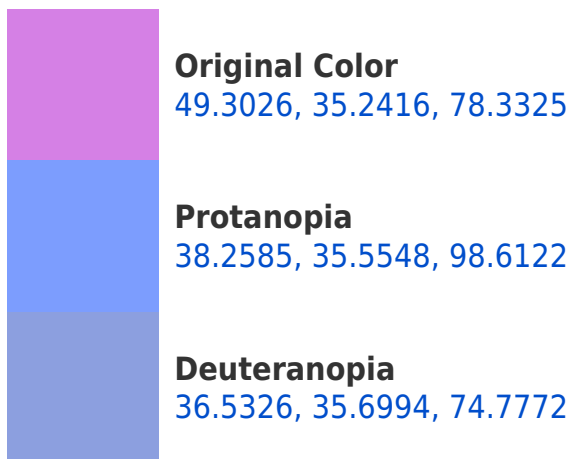


This preview shows how white text looks on a background with the XYZ color 49.3026, 35.2416,

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

40.7548, 35.3476, 36.1273

Trichromacy



Original Color

49.3026, 35.2416, 78.3325



Protanomaly

40.4706, 34.2183, 90.8580



Deuteranomaly

40.1169, 34.8315, 75.8429



Tritanomaly

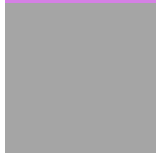
43.5120, 35.1495, 49.2910

Monochromacy



Original Color

49.3026, 35.2416, 78.3325



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

39.5967, 36.0324, 52.4449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3026, 35.2416, 78.3325 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(213, 128, 229)` looks like.

```
.text, #text, p{  
    color:rgb(213, 128, 229)  
}
```

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(213, 128, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 128, 229) }
```

Border

The CSS property to change the border of an element to XYZ 49.3026, 35.2416, 78.3325 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(213, 128, 229) }
```


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

```
.border{ border-color:rgb(213, 128, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 128, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 128, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 128, 229);  
box-shadow:4px 4px 4px 4px rgb(213, 128,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3026, 35.2416, 78.3325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 128, 229) }
```

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

```
.background{ background-color: rgb(213,  
128, 229) }
```

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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