

# Converting Colors

XYZ(45.4883, 29.0212, 65.1391)

Have a look what the booklet for  
XYZ(45.4883, 29.0212, 65.1391)  
contains.

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# Color

**XYZ(45.3250, 28.9159,  
64.8205)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | DA65D3                     |
| RGB         | 218, 101, 211              |
| RGB Percent | 85%, 40%, 83%              |
| CMY         | 0.1451, 0.6039, 0.1725     |
| CMYK        | 0.00, 0.54, 0.03, 0.15     |
| HSL         | 304°, 61%, 63%             |
| HSV         | 304°, 54%, 85%             |
| XYZ         | 45.3250, 28.9159, 64.8205  |
| YIQ         | 148.5230, 34.4220, 59.0140 |

# Conversions

## Conversions Part 2

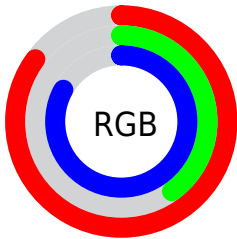
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| R <sub>YB</sub>                     | 218, 101, 211                 |
| Decimal                             | 14312915                      |
| CIE <sub>Lab</sub>                  | 60.71, 60.00, -35.99          |
| CIE <sub>LCh</sub>                  | 61, 69.967, 329.041           |
| Yxy                                 | 28.9159, 0.3259,<br>0.2079    |
| Android<br>(android.graphics.Color) | 4292502995<br>(0xFFDA65D3)    |
| YUV                                 | 148.5230, 30.8012,<br>60.9313 |
| Hunter-Lab                          | 53.7735, 56.3517,<br>-33.8288 |

# Details

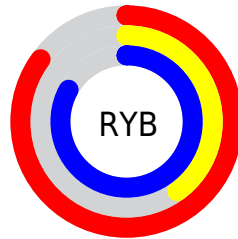
The XYZ color **45.3250, 28.9159, 64.8205** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **33.1463, 53.9934, 22.8638**, and the grayscale version is **28.2329, 29.7032, 32.3468**.

A 20% lighter version of the original color is **71.3470, 52.5939, 100.9990**, and **21.3986, 11.6752, 32.5782** is the 20% darker color. If you saturate the color by 10%, you get **43.3197, 25.1653, 63.3487**, and if you desaturate by 10%, it is **47.8949, 33.7922, 66.4876**.

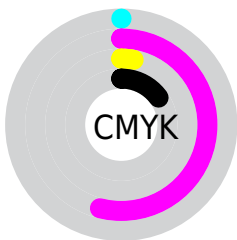
# Distribution



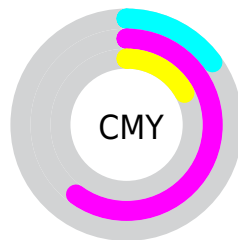
- Red (85%)
- Green (40%)
- Blue (83%)



- Red (85%)
- Yellow (40%)
- Blue (83%)



- Cyan (0%)
- Magenta (54%)
- Yellow (3%)
- Black (15%)




- Cyan (15%)
- Magenta (60%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3250, 28.9159, 64.8205 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 45.3250, 28.9159, 64.8205 by changing the saturation by 10% instead.





 45.3250, 28.9159,  
64.8205


 45.3250, 28.9159,  
64.8205

358.8498,  
296.8179, 460.4352


 31.9159, 19.0172,  
46.8651


 82.4420, 57.9434,  
113.4026

 21.4525, 11.6827,  
32.5755


 106.8805, 77.8411,  
144.8663

 13.5695, 6.5280,  
21.5330


 135.7262,  
101.8405, 181.6700

 7.9015, 3.1687,  
13.3191

 169.3444,  
130.3261, 224.2320

 4.0833, 1.2204,  
7.5154

208.1006,  
163.6822, 272.9710

 1.7494, 0.0783,  
3.7031

252.3599,

 0.4869, 0.0000,

202.2933, 328.3055

1.4639

302.4879,  
246.5438, 390.6541

■ 0.0000, 0.0000,  
0.1908

■ 0.0000, 0.0000,  
0.0000

■ 45.3250, 28.9159,  
64.8205

■ 45.3250, 28.9159,  
64.8205

■ 43.3197, 25.1653,  
63.3487

■ 47.8949, 33.7922,  
66.4876

■ 41.8305, 22.4455,  
62.0552

■ 51.0669, 39.8712,  
68.3616

■ 40.8060, 20.6529,  
60.9231

■ 54.8786, 47.2277,  
70.4555

■ 40.1825, 19.6602,  
59.9312

■ 59.3640, 55.9293,  
72.7806

39.9281, 19.3113,  
59.3533

64.5545, 66.0388,  
75.3472

70.4794, 77.6152,  
78.1653

77.1666, 90.7139,  
81.2442

77.7832, 91.6694,  
82.3061

77.9582, 91.7394,  
83.2276

# Harmonies

## Analogous

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



36.8532, 28.9159, 98.4924



45.3250, 28.9159, 64.8205



48.8804, 28.9159, 32.3286

# Triad

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



45.3250, 28.9159, 64.8205



27.7769, 28.9159, 3.2906



14.8777, 28.9159, 62.5034

# Complementary

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



45.3250, 28.9159, 64.8205



33.1463, 53.9934, 22.8638

# 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.



13.4692, 28.9159, 30.6552



45.3250, 28.9159, 64.8205



19.8543, 28.9159, 4.8886

# Square

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



45.3250, 28.9159, 64.8205



37.4719, 28.9159, 5.1343



15.0726, 28.9159, 12.1401



19.4497, 28.9159, 96.7136



# Rectangle

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



45.3250, 28.9159, 64.8205



47.4960, 28.9159, 17.8344



15.0726, 28.9159, 12.1401



14.0698, 28.9159, 50.7617

# Sweetspot

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



45.3260, 28.9172, 64.8211



82.9966, 76.5182, 102.9554



23.3553, 17.4873, 68.4750



17.4739, 15.8135, 21.8871



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.



45.3260, 28.9172, 64.8211



61.5671, 35.4866, 90.1788



39.3720, 26.5356, 33.4675



13.5790, 13.2607, 16.3102



23.9352, 11.5751, 35.6344



1.5611, 0.7541, 2.3636



# Inverse Universe

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



45.3260, 28.9172, 64.8211



61.5671, 35.4866, 90.1788



37.2629, 55.6400, 44.5417



13.5790, 13.2607, 16.3102



23.9352, 11.5751, 35.6344



1.5611, 0.7541, 2.3636



# Previews

## White Background



This preview shows how the XYZ color 45.3250, 28.9159, 64.8205 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

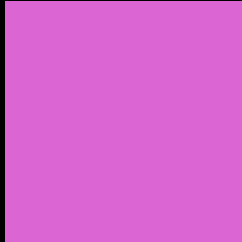
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 45.3250, 28.9159, 64.8205 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

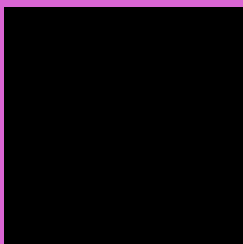
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 45.3250, 28.9159, 64.8205**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.3250, 28.9159, 64.8205.



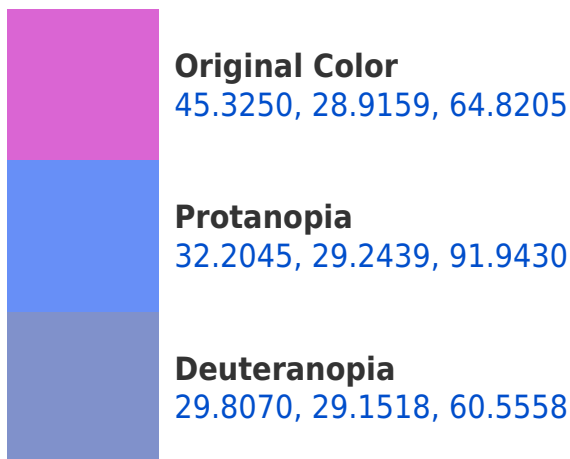
This preview shows how white text looks on a background with the XYZ color 45.3250, 28.9159,



# 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

36.8791, 28.6963, 24.7143

# Trichromacy



## Original Color

45.3250, 28.9159, 64.8205



## Protanomaly

34.2475, 27.3986, 81.3253



## Deuteranomaly

33.6888, 27.7338, 61.9701



## Tritanomaly

39.4267, 28.5349, 36.2307

# Monochromacy



## Original Color

45.3250, 28.9159, 64.8205



## Achromatopsia

28.5667, 30.0544, 32.7292



## Achromatomaly

33.1532, 28.4798, 42.7795

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.3250, 28.9159, 64.8205 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(218, 101, 211)` looks like.

```
.text, #text, p{  
    color:rgb(218, 101, 211)  
}
```

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(218, 101, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 101, 211) }
```

## Border

The CSS property to change the border of an element to XYZ 45.3250, 28.9159, 64.8205 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(218, 101, 211) }
```



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

```
.border{ border-color:rgb(218, 101, 211) }
```

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

Here you see how a box with a 4 pixel rgb(218, 101, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 101, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 101, 211);  
box-shadow:4px 4px 4px 4px rgb(218, 101,  
211) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.3250, 28.9159, 64.8205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 101, 211) }
```

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

```
.background{ background-color: rgb(218,  
101, 211) }
```

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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