

# Converting Colors

XYZ(44.2848, 29.1928, 68.5054)

Have a look what the booklet for  
XYZ(44.2848, 29.1928, 68.5054)  
contains.

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# Color

**XYZ(44.2307, 29.1749,  
68.2658)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D26BD8
RGB	210, 107, 216
RGB Percent	82%, 42%, 85%
CMY	0.1765, 0.5804, 0.1529
CMYK	0.03, 0.50, 0.00, 0.15
HSL	297°, 58%, 63%
HSV	297°, 50%, 85%
XYZ	44.2307, 29.1749, 68.2658
YIQ	150.2230, 26.3990, 55.7350

# Conversions

## Conversions Part 2

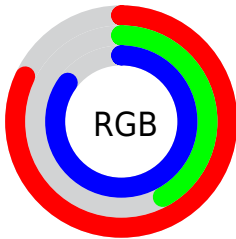
Format	Color
R <sub>Y</sub> B	210, 107, 216
Decimal	13790168
CIE Lab	60.94, 55.85, -38.53
CIE LCh	61, 67.847, 325.397
Yxy	29.1749, 0.3122, 0.2059
Android (android.graphics.Color)	4291980248 (0xFFD26BD8)
YUV	150.2230, 32.4281, 52.4244
Hunter-Lab	54.0138, 51.6456, -37.1245

# Details

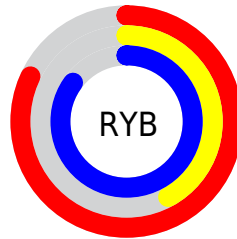
The XYZ color **44.2307, 29.1749, 68.2658** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **34.0207, 53.6846, 22.4804**, and the grayscale version is **28.9439, 30.4512, 33.1614**.

A 20% lighter version of the original color is **72.2103, 54.3207, 101.2868**, and **20.7979, 11.8015, 34.9000** is the 20% darker color. If you saturate the color by 10%, you get **41.9167, 25.0468, 67.5914**, and if you desaturate by 10%, it is **47.1116, 34.4316, 69.1290**.

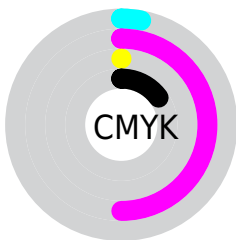
# Distribution



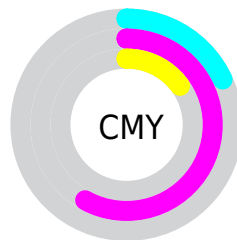
- Red (82%)
- Green (42%)
- Blue (85%)



- Red (82%)
- Yellow (42%)
- Blue (85%)



- Cyan (3%)
- Magenta (50%)
- Yellow (0%)
- Black (15%)



- Cyan (18%)
- Magenta (58%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.2307, 29.1749, 68.2658 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 44.2307, 29.1749, 68.2658 by changing the saturation by 10% instead.



44.2307, 29.1749,  
68.2658

44.2307, 29.1749,  
68.2658

354.4852,  
298.0393, 473.0608

31.0506, 19.2132,  
49.6460

80.8090, 58.3549,  
118.3901

20.7894, 11.8244,  
34.7630

104.9379, 78.3419,  
150.7317

13.0817, 6.6242,  
23.1983

133.4471,  
102.4394, 188.4842

7.5622, 3.2282,  
14.5333

166.7019,  
131.0319, 232.0663

3.8656, 1.2520,  
8.3495

205.0678,  
164.5038, 281.8965

1.6264, 0.1036,  
4.2284

248.9101,

0.4095, 0.0000,

203.2394, 338.3933

1.7515

298.5941,  
247.6231, 401.9752

■ 0.0000, 0.0000,  
0.3957

■ 0.0000, 0.0000,  
0.0000

■ 44.2307, 29.1749,  
68.2658

■ 44.2307, 29.1749,  
68.2658

■ 41.9167, 25.0468,  
67.5914

■ 47.1116, 34.4316,  
69.1290

■ 40.1239, 21.9582,  
67.0897


■ 50.5947, 40.8896,  
70.1920


■ 38.8045, 19.8125,  
66.7451

■ 54.7159, 48.6201,  
71.4669


■ 37.9005, 18.4940,  
66.5382


■ 59.5074, 57.6875,  
72.9645


 37.3273, 17.8111,  
66.4366

 64.9994, 68.1521,  
74.6950

 71.2201, 80.0703,  
76.6675

 77.1650, 91.4332,  
78.5475

 77.5225, 91.6176,  
78.5642

 77.8826, 91.8032,  
78.5811

# Harmonies

## Analogous

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



35.6888, 29.1749, 99.2782



44.2307, 29.1749, 68.2658



48.3898, 29.1749, 35.8407

# Triad

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



44.2307, 29.1749, 68.2658



29.1182, 29.1749, 3.7412



15.0214, 29.1749, 57.5937

# Complementary

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



44.2307, 29.1749, 68.2658



34.0207, 53.6846, 22.4804

# 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.



13.9894, 29.1749, 28.0134



44.2307, 29.1749, 68.2658



21.0520, 29.1749, 4.9454

# Square

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



44.2307, 29.1749, 68.2658



38.5616, 29.1749, 6.1659



15.9474, 29.1749, 11.3475



19.1440, 29.1749, 91.1495



# Rectangle

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



44.2307, 29.1749, 68.2658



47.5883, 29.1749, 20.5025



15.9474, 29.1749, 11.3475



14.3447, 29.1749, 46.5456

# Sweetspot

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



44.2317, 29.1762, 68.2664



83.2682, 77.5798, 105.1934



24.5067, 20.1799, 67.5696



17.5085, 16.0107, 22.4175



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.



44.2317, 29.1762, 68.2664



60.7147, 35.9014, 98.3374



40.7171, 27.9714, 40.6756



12.8824, 12.5963, 15.6899



22.1245, 10.5581, 39.3250



1.3555, 0.6477, 2.3729



# Inverse Universe

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



36.5581, 26.3078, 18.7751



48.4520, 31.3521, 17.6884



36.4725, 54.5791, 39.2877



12.4507, 12.4318, 13.0476



16.8134, 8.6617, 1.0557

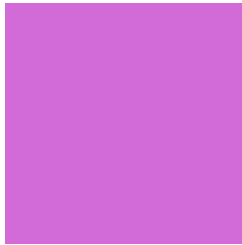


1.0241, 0.5264, 0.1161



# Previews

## White Background



This preview shows how the XYZ color 44.2307, 29.1749, 68.2658 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

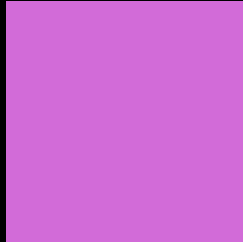
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.2307, 29.1749, 68.2658 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

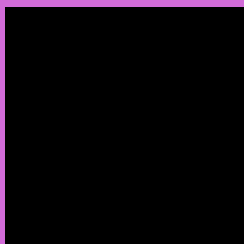
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 44.2307, 29.1749, 68.2658**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.2307, 29.1749, 68.2658.



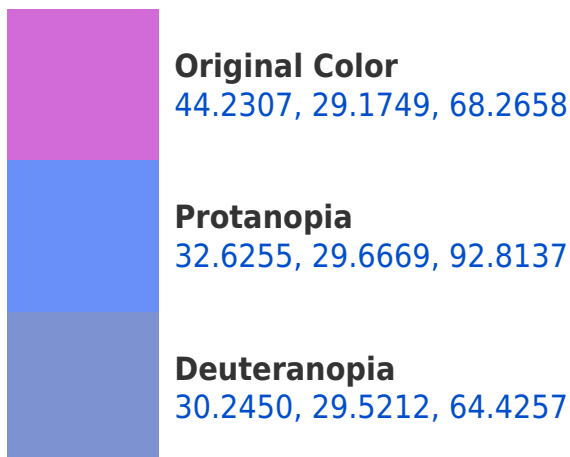
This preview shows how white text looks on a background with the XYZ color 44.2307, 29.1749,



# 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

35.8527, 29.2357, 27.0460

# Trichromacy



## Original Color

44.2307, 29.1749, 68.2658



## Protanomaly

34.5843, 28.1284, 82.9634



## Deuteranomaly

33.8452, 28.3239, 65.9706



## Tritanomaly

38.4098, 28.9869, 39.1679

# Monochromacy



## Original Color

44.2307, 29.1749, 68.2658



## Achromatopsia

28.9890, 30.4987, 33.2131



## Achromatomaly

33.1783, 28.8768, 43.8695

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.2307, 29.1749, 68.2658 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(210, 107, 216)` looks like.

```
.text, #text, p{  
    color:rgb(210, 107, 216)  
}
```

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(210, 107, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 107, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 44.2307, 29.1749, 68.2658 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(210, 107, 216) }
```



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

```
.border{ border-color:rgb(210, 107, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 107, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 107, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 107, 216);  
box-shadow:4px 4px 4px 4px rgb(210, 107,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.2307, 29.1749, 68.2658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 107, 216) }
```

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

```
.background{ background-color: rgb(210,  
107, 216) }
```

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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