

# Converting Colors

XYZ(42.5646, 28.1797, 58.7450)

Have a look what the booklet for  
XYZ(42.5646, 28.1797, 58.7450)  
contains.

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# Color

**XYZ(42.4582, 28.1691,  
58.4577)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D369C9
RGB	211, 105, 201
RGB Percent	83%, 41%, 79%
CMY	0.1725, 0.5882, 0.2118
CMYK	0.00, 0.50, 0.05, 0.17
HSL	306°, 55%, 62%
HSV	306°, 50%, 83%
XYZ	42.4582, 28.1691, 58.4577
YIQ	147.6380, 32.3600, 52.3280

# Conversions

## Conversions Part 2

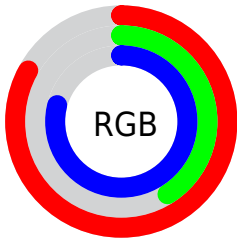
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	211, 105, 201
Decimal	13855177
CIE Lab	60.04, 54.45, -31.45
CIE LCh	60, 62.882, 329.995
Yxy	28.1691, 0.3289, 0.2182
Android (android.graphics.Color)	4292045257 (0xFFD369C9)
YUV	147.6380, 26.3075, 55.5685
Hunter-Lab	53.0746, 49.9146, -28.1513

# Details

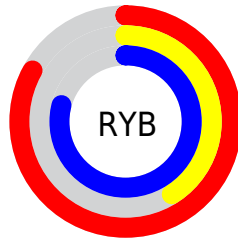
The XYZ color **42.4582, 28.1691, 58.4577** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **32.2158, 50.8307, 24.3349**, and the grayscale version is **27.8833, 29.3354, 31.9463**.

A 20% lighter version of the original color is **71.8608, 53.6216, 101.1703**, and **19.7335, 11.2578, 28.7367** is the 20% darker color. If you saturate the color by 10%, you get **40.3373, 24.2990, 56.6029**, and if you desaturate by 10%, it is **45.1172, 33.1092, 60.5073**.

# Distribution



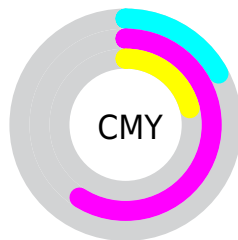
- Red (83%)
- Green (41%)
- Blue (79%)



- Red (83%)
- Yellow (41%)
- Blue (79%)



- Cyan (0%)
- Magenta (50%)
- Yellow (5%)
- Black (17%)




- Cyan (17%)
- Magenta (59%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4582, 28.1691, 58.4577 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 42.4582, 28.1691, 58.4577 by changing the saturation by 10% instead.





 42.4582, 28.1691,  
58.4577


 42.4582, 28.1691,  
58.4577

347.3383,  
293.2741, 436.5351

 29.6529, 18.4532,  
41.7596


 78.1534, 56.7543,  
104.1104


 19.7221, 11.2758,  
28.5889


 101.7741, 76.3924,  
133.9021

 12.3003, 6.2527,  
18.5272

 129.7306,  
100.1066, 168.8954

 7.0222, 2.9993,  
11.1558

 162.3883,  
128.2814, 209.5089

 3.5224, 1.1314,  
6.0562

200.1126,  
161.3011, 256.1611

 1.4357, 0.0046,  
2.8100

243.2688,

 0.2814, 0.0000,

199.5502, 309.2704

0.9984

292.2222,  
243.4131, 369.2556

■ 0.0000, 0.0000,  
0.0000

■ 42.4582, 28.1691,  
58.4577

■ 42.4582, 28.1691,  
58.4577

■ 40.3373, 24.2990,  
56.6029

■ 45.1172, 33.1092,  
60.5073

■ 38.7113, 21.4146,  
54.9278

■ 48.3474, 39.1874,  
62.7621

■ 37.5354, 19.4256,  
53.4176

■ 52.1827, 46.4710,  
65.2337

■ 36.7551, 18.2229,  
52.0541

■ 56.6535, 55.0208,  
67.9322

■ 36.2786, 17.6148,  
50.8319

■ 61.7882, 64.8934,  
70.8673

■ 67.6135, 76.1421,  
74.0478

■ 74.1545, 88.8173,  
77.4821

■ 75.1392, 90.3750,  
79.0797

■ 75.3997, 90.4792,  
80.4514

# Harmonies

## Analogous

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



35.2400, 28.1691, 86.9684



42.4582, 28.1691, 58.4577



45.3290, 28.1691, 30.6754

# Triad

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



42.4582, 28.1691, 58.4577



26.7753, 28.1691, 4.3220



15.5226, 28.1691, 58.4468

# Complementary

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



42.4582, 28.1691, 58.4577



32.2158, 50.8307, 24.3349

# 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.



14.1315, 28.1691, 30.6673



42.4582, 28.1691, 58.4577



19.7855, 28.1691, 6.1282

# Square

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



42.4582, 28.1691, 58.4577



35.2430, 28.1691, 6.1296



15.5236, 28.1691, 13.4719



19.7835, 28.1691, 86.9602



# Rectangle

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



42.4582, 28.1691, 58.4577



44.0224, 28.1691, 17.9206



15.5236, 28.1691, 13.4719



14.7468, 28.1691, 48.3718

# Sweetspot

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



42.4592, 28.1704, 58.4583



83.4628, 77.7467, 102.1980



23.7286, 18.3740, 63.9248



17.5560, 16.0515, 21.6873



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.



42.4592, 28.1704, 58.4583



61.8035, 37.0876, 86.7796



37.3549, 26.1287, 31.5796



12.2607, 11.9890, 14.6487



21.9144, 10.6386, 30.7852



1.2396, 0.6006, 1.7968



# Inverse Universe

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



42.4592, 28.1704, 58.4583



61.8035, 37.0876, 86.7796



36.0808, 52.3767, 44.6880



12.2607, 11.9890, 14.6487



21.9144, 10.6386, 30.7852



1.2396, 0.6006, 1.7968



# Previews

## White Background



This preview shows how the XYZ color 42.4582, 28.1691, 58.4577 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

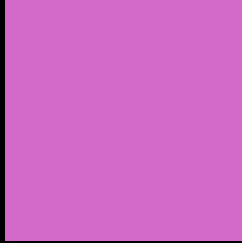
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 42.4582, 28.1691, 58.4577 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

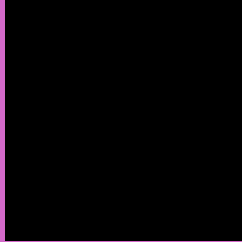
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 42.4582, 28.1691, 58.4577**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.4582, 28.1691, 58.4577.



This preview shows how white text looks on a background with the XYZ color 42.4582, 28.1691,



# 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

42.4582, 28.1691, 58.4577

### Protanopia

30.7940, 28.5517, 80.2319

### Deuteranopia

29.0758, 28.4455, 54.9970



## Tritanopia

35.6849, 28.2543, 25.0456

# Trichromacy



## Original Color

42.4582, 28.1691, 58.4577



## Protanomaly

32.9340, 27.1240, 71.9063



## Deuteranomaly

32.6262, 27.3088, 56.3749



## Tritanomaly

37.6997, 28.0129, 34.8725

# Monochromacy



## Original Color

42.4582, 28.1691, 58.4577



## Achromatopsia

28.1479, 29.6138, 32.2495



## Achromatomaly

32.0209, 27.9505, 40.2665

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.4582, 28.1691, 58.4577 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(211, 105, 201)` looks like.

```
.text, #text, p{  
    color:rgb(211, 105, 201)  
}
```

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(211, 105, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 105, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 42.4582, 28.1691, 58.4577 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(211, 105, 201) }
```



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

```
.border{ border-color:rgb(211, 105, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 105, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 105, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 105, 201);  
box-shadow:4px 4px 4px 4px rgb(211, 105,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.4582, 28.1691, 58.4577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 105, 201) }
```

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

```
.background{ background-color: rgb(211,  
105, 201) }
```

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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