

# Converting Colors

XYZ(42.8742, 29.8367, 59.5290)

Have a look what the booklet for  
XYZ(42.8742, 29.8367, 59.5290)  
contains.

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# Color

**XYZ(42.6904, 29.7088,  
59.3615)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D072CA
RGB	208, 114, 202
RGB Percent	82%, 45%, 79%
CMY	0.1843, 0.5529, 0.2078
CMYK	0.00, 0.45, 0.03, 0.18
HSL	304°, 50%, 63%
HSV	304°, 45%, 82%
XYZ	42.6904, 29.7088, 59.3615
YIQ	152.1380, 27.7760, 47.2960

# Conversions

## Conversions Part 2

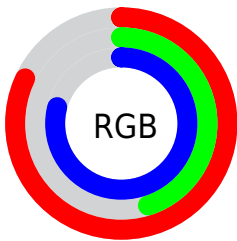
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	208, 114, 202
Decimal	13660874
CIE Lab	61.40, 49.28, -29.93
CIE LCh	61, 57.661, 328.727
Yxy	29.7088, 0.3240, 0.2255
Android (android.graphics.Color)	4291850954 (0xFFD072CA)
YUV	152.1380, 24.5820, 48.9910
Hunter-Lab	54.5058, 44.4209, -26.4179

# Details

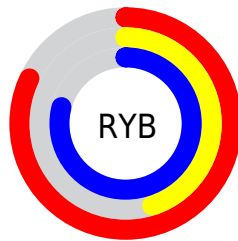
The XYZ color **42.6904, 29.7088, 59.3615** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **32.8867, 50.0463, 25.6976**, and the grayscale version is **29.7944, 31.3460, 34.1358**.

A 20% lighter version of the original color is **73.2926, 56.4853, 101.6475**, and **19.9629, 12.1510, 29.3102** is the 20% darker color. If you saturate the color by 10%, you get **40.4493, 25.4765, 57.8424**, and if you desaturate by 10%, it is **45.4683, 35.0112, 61.0668**.

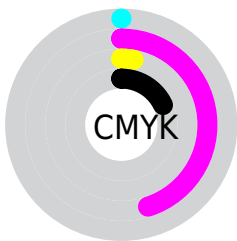
# Distribution



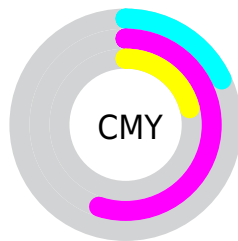
- Red (82%)
- Green (45%)
- Blue (79%)



- Red (82%)
- Yellow (45%)
- Blue (79%)



- Cyan (0%)
- Magenta (45%)
- Yellow (3%)
- Black (18%)



- Cyan (18%)
- Magenta (55%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6904, 29.7088, 59.3615 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 42.6904, 29.7088, 59.3615 by changing the saturation by 10% instead.



42.6904, 29.7088,  
59.3615

42.6904, 29.7088,  
59.3615

348.2801,  
300.5447, 439.9794

29.8357, 19.6177,  
42.4823

78.5021, 59.2014,  
105.4372

19.8614, 12.1174,  
29.1507

102.1898, 79.3716,  
135.4707

12.4020, 6.8237,  
18.9483

130.2193,  
103.6703, 170.7260

7.0922, 3.3521,  
11.4565

162.9558,  
132.4818, 211.6218

3.5667, 1.3182,  
6.2567

200.7649,  
166.1907, 258.5765

1.4600, 0.1552,  
2.9305

244.0117,

0.2984, 0.0000,

205.1812, 312.0086

1.0593

293.0616,  
249.8377, 372.3367

■ 0.0000, 0.0000,  
0.0000

■ 42.6904, 29.7088,  
59.3615

■ 42.6904, 29.7088,  
59.3615

■ 40.4493, 25.4765,  
57.8424

■ 45.4683, 35.0112,  
61.0668

■ 38.7053, 22.2369,  
56.4953

■ 48.8131, 41.4459,  
62.9675

■ 37.4182, 19.9089,  
55.3072


■ 52.7564, 49.0754,  
65.0744

■ 36.5401, 18.3969,  
54.2620


■ 57.3264, 57.9562,  
67.3969


■ 36.0126, 17.5838,  
53.3403


■ 62.5497, 68.1414,  
69.9439

 35.8318, 17.3377,  
52.9237

 68.4512, 79.6809,  
72.7238

 73.5677, 89.6480,  
75.2488

 73.7352, 89.7150,  
76.1308

 73.9041, 89.7826,  
77.0202

# Harmonies

## Analogous

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



35.8750, 29.7088, 84.8084



42.6904, 29.7088, 59.3615



45.5493, 29.7088, 33.2882

# Triad

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



42.6904, 29.7088, 59.3615



28.5638, 29.7088, 5.9287



17.2461, 29.7088, 56.9761

# Complementary

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



42.6904, 29.7088, 59.3615



32.8867, 50.0463, 25.6976

# 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.



15.9836, 29.7088, 31.4254



42.6904, 29.7088, 59.3615



21.7687, 29.7088, 7.7507

# Square

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



42.6904, 29.7088, 59.3615



36.5398, 29.7088, 8.1156



17.4812, 29.7088, 15.0985



21.2986, 29.7088, 83.0498



# Rectangle

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



42.6904, 29.7088, 59.3615



44.4964, 29.7088, 20.6668



17.4812, 29.7088, 15.0985



16.5174, 29.7088, 47.7639

# Sweetspot

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



42.6914, 29.7101, 59.3621



84.3351, 79.1538, 103.5289



24.9705, 20.4910, 62.3143



17.7365, 16.3319, 21.9956



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.



42.6914, 29.7101, 59.3621



64.3031, 40.7193, 91.8281



38.0571, 27.8564, 34.9583



12.2769, 11.9955, 14.7338



22.3458, 10.8112, 33.0569



1.2595, 0.6085, 1.9014



# Inverse Universe

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



42.6914, 29.7101, 59.3621



64.3031, 40.7193, 91.8281



36.3520, 51.4323, 43.9452



12.2769, 11.9955, 14.7338



22.3458, 10.8112, 33.0569

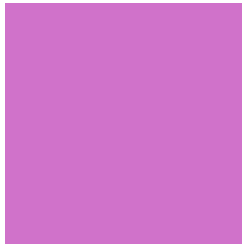


1.2595, 0.6085, 1.9014



# Previews

## White Background



This preview shows how the XYZ color 42.6904, 29.7088, 59.3615 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

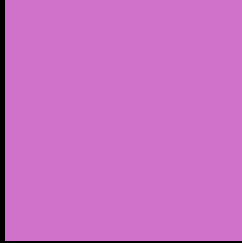
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.6904, 29.7088, 59.3615 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

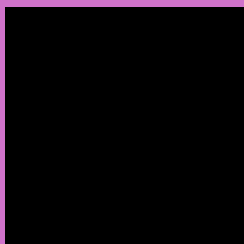
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 42.6904, 29.7088, 59.3615**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.6904, 29.7088, 59.3615.



This preview shows how white text looks on a background with the XYZ color 42.6904, 29.7088,



# 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**

42.6904, 29.7088, 59.3615

**Protanopia**

32.0282, 30.1523, 77.5307

**Deuteranopia**

30.5592, 29.8617, 56.3778



## Tritanopia

36.1260, 29.5527, 27.8449

# Trichromacy



## Original Color

42.6904, 29.7088, 59.3615

## Protanomaly

34.2602, 28.8401, 70.7788

## Deuteranomaly

33.8224, 28.9139, 57.2244

## Tritanomaly

38.1446, 29.4356, 37.3894

# Monochromacy



## Original Color

42.6904, 29.7088, 59.3615

## Achromatopsia

29.8446, 31.3989, 34.1934

## Achromatomaly

33.3574, 29.8499, 42.0337

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.6904, 29.7088, 59.3615 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(208, 114, 202)` looks like.

```
.text, #text, p{  
    color:rgb(208, 114, 202)  
}
```

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(208, 114, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 114, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 42.6904, 29.7088, 59.3615 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(208, 114, 202) }
```



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

```
.border{ border-color:rgb(208, 114, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 114, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 114, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 114, 202);  
box-shadow:4px 4px 4px 4px rgb(208, 114,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.6904, 29.7088, 59.3615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 114, 202) }
```

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

```
.background{ background-color: rgb(208,  
114, 202) }
```

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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