

# Converting Colors

XYZ(38.1070, 29.7581, 41.5026)

Have a look what the booklet for  
XYZ(38.1070, 29.7581, 41.5026)  
contains.

<b>XYZ(38.0482, 29.6739, 41.2584)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(38.0482, 29.6739,  
41.2584)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C77DA9
RGB	199, 125, 169
RGB Percent	78%, 49%, 66%
CMY	0.2196, 0.5098, 0.3373
CMYK	0.00, 0.37, 0.15, 0.22
HSL	324°, 40%, 64%
HSV	324°, 37%, 78%
XYZ	38.0482, 29.6739, 41.2584
YIQ	152.1420, 29.9800, 29.3720

# Conversions

## Conversions Part 2

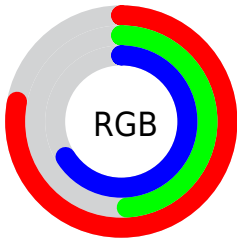
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 125, 169
Decimal	13073833
CIE <sub>Lab</sub>	61.37, 35.00, -11.33
CIE <sub>LCh</sub>	61, 36.786, 342.067
Yxy	29.6739, 0.3491, 0.2723
Android (android.graphics.Color)	4291263913 (0xFFC77DA9)
YUV	152.1420, 8.3110, 41.0945
Hunter-Lab	54.4738, 29.3475, -6.7746

# Details

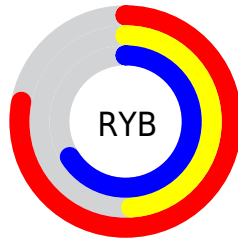
The XYZ color **38.0482, 29.6739, 41.2584** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **34.7985, 47.5742, 38.3611**, and the grayscale version is **29.8633, 31.4185, 34.2147**.

A 20% lighter version of the original color is **70.8146, 58.8820, 78.1540**, and **17.1613, 12.1112, 18.2628** is the 20% darker color. If you saturate the color by 10%, you get **35.0427, 24.8376, 36.6343**, and if you desaturate by 10%, it is **41.6069, 35.5410, 46.2981**.

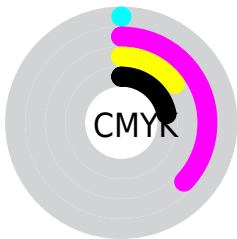
# Distribution



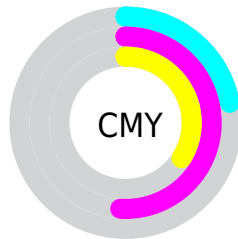
- Red (78%)
- Green (49%)
- Blue (66%)



- Red (78%)
- Yellow (49%)
- Blue (66%)



- Cyan (0%)
- Magenta (37%)
- Yellow (15%)
- Black (22%)




- Cyan (22%)
- Magenta (51%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0482, 29.6739, 41.2584 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 38.0482, 29.6739, 41.2584 by changing the saturation by 10% instead.





 38.0482, 29.6739,  
41.2584


 38.0482, 29.6739,  
41.2584

329.1040,  
300.3815, 367.1080


 26.1975, 19.5912,  
28.1998


 71.4854, 59.1461,  
78.3339

 17.1049, 12.0982,  
18.2360


 93.8027, 79.3044,  
103.1880

 10.4051, 6.8106,  
10.9484


 120.3394,  
103.5900, 132.8109

 5.7327, 3.3439,  
5.9184

151.4611,  
132.3873, 167.6213

 2.7223, 1.3138,  
2.7275

187.5330,  
166.0807, 208.0376

 1.0087, 0.1519,  
0.9572

228.9206,

 0.0000, 0.0000,

205.0546, 254.4785

0.0000

275.9891,  
249.6934, 307.3625

■ 38.0482, 29.6739,  
41.2584

■ 38.0482, 29.6739,  
41.2584

■ 35.0427, 24.8376,  
36.6343

■ 41.6069, 35.5410,  
46.2981

■ 32.5566, 20.9669,  
32.4096

■ 45.7447, 42.4907,  
51.7652

■ 30.5564, 17.9959,  
28.5690


■ 50.4892, 50.5763,  
57.6731


■ 29.0032, 15.8484,  
25.0954


■ 55.8651, 59.8461,  
64.0338


■ 27.8518, 14.4352,  
21.9692


■ 61.8959, 70.3458,  
70.8589


 27.0404, 13.6344,  
19.1650

 68.6037, 82.1188,  
78.1595

 26.8424, 13.4578,  
18.4224

 72.9691, 89.1245,  
84.9326

 74.0993, 89.5766,  
90.8840

 75.2822, 90.0498,  
97.1134

# Harmonies

## Analogous

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



34.9308, 29.6739, 56.4917



38.0482, 29.6739, 41.2584



38.3508, 29.6739, 27.0379

# Triad

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



38.0482, 29.6739, 41.2584



26.2977, 29.6739, 12.5864



21.8275, 29.6739, 53.7308

# Complementary

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



38.0482, 29.6739, 41.2584



34.7985, 47.5742, 38.3611

# 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.



20.0264, 29.6739, 38.2260



38.0482, 29.6739, 41.2584



22.4018, 29.6739, 16.2520

# Square

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



38.0482, 29.6739, 41.2584



31.1765, 29.6739, 12.9678



20.2238, 29.6739, 24.7588



25.4270, 29.6739, 64.9958



# Rectangle

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



38.0482, 29.6739, 41.2584



36.8755, 29.6739, 20.0953



20.2238, 29.6739, 24.7588



21.0114, 29.6739, 48.6795

# Sweetspot

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



38.0491, 29.6753, 41.2590



84.9681, 82.6799, 96.7725



31.0846, 25.7214, 57.3596



17.9410, 17.2781, 20.4079



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.



38.0491, 29.6753, 41.2590



62.0987, 44.6669, 65.3315



35.0802, 28.4877, 25.6250



10.8941, 10.7410, 12.4254



17.3045, 8.6714, 12.0794



0.8546, 0.4247, 0.7574



# Inverse Universe

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



38.0491, 29.6753, 41.2590



62.0987, 44.6669, 65.3315



38.3520, 48.9956, 57.0734



10.8941, 10.7410, 12.4254



17.3045, 8.6714, 12.0794

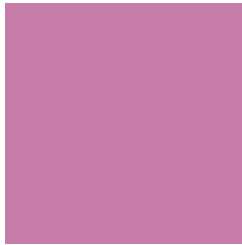


0.8546, 0.4247, 0.7574



# Previews

## White Background



This preview shows how the XYZ color 38.0482, 29.6739, 41.2584 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

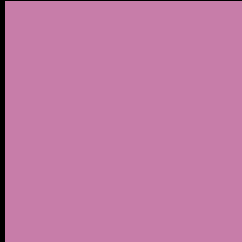
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.0482, 29.6739, 41.2584 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

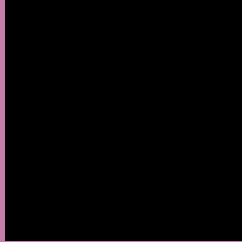
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 38.0482, 29.6739, 41.2584**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.0482, 29.6739, 41.2584.



This preview shows how white text looks on a background with the XYZ color 38.0482, 29.6739,



# 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

38.0482, 29.6739, 41.2584

### Protanopia

29.9007, 29.9036, 49.5434

### Deuteranopia

30.4345, 29.9360, 39.7715



## Tritanopia

35.4812, 29.5945, 28.6532

# Trichromacy



**Original Color**

38.0482, 29.6739, 41.2584

**Protanomaly**

32.0672, 29.2970, 46.6126

**Deuteranomaly**

32.7660, 29.5881, 40.0605

**Tritanomaly**

36.3310, 29.5430, 33.0657

# Monochromacy



**Original Color**

38.0482, 29.6739, 41.2584

**Achromatopsia**

29.8446, 31.3989, 34.1934

**Achromatomaly**

32.2067, 30.2496, 36.4890

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.0482, 29.6739, 41.2584 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(199, 125, 169)` looks like.

```
.text, #text, p{  
    color:rgb(199, 125, 169)  
}
```

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(199, 125, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 125, 169) }
```

## Border

The CSS property to change the border of an element to XYZ 38.0482, 29.6739, 41.2584 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(199, 125, 169) }
```



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

```
.border{ border-color:rgb(199, 125, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 125, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 125, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 125, 169);  
box-shadow:4px 4px 4px 4px rgb(199, 125,  
169) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.0482, 29.6739, 41.2584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 125, 169) }
```

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

```
.background{ background-color: rgb(199,  
125, 169) }
```

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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