

# Converting Colors

XYZ(37.1030, 29.2805, 61.9292)

Have a look what the booklet for  
XYZ(37.1030, 29.2805, 61.9292)  
contains.

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# Color

**XYZ(37.2198, 29.3596,  
62.0978)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B280CE
RGB	178, 128, 206
RGB Percent	70%, 50%, 81%
CMY	0.3020, 0.4980, 0.1922
CMYK	0.14, 0.38, 0.00, 0.19
HSL	278°, 44%, 65%
HSV	278°, 38%, 81%
XYZ	37.2198, 29.3596, 62.0978
YIQ	151.8420, 4.7620, 34.8580

# Conversions

## Conversions Part 2

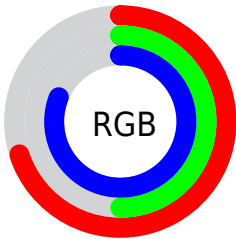
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">178, 128, 206</a>
Decimal	<a href="#">11698382</a>
CIELab	<a href="#">61.10, 33.49, -32.93</a>
CIElCh	<a href="#">61, 46.966, 315.480</a>
Yxy	<a href="#">29.3596, 0.2892, 0.2282</a>
Android (android.graphics.Color)	<a href="#">4289888462</a> ( <a href="#">0xFFB280CE</a> )
YUV	<a href="#">151.8420, 26.6999, 22.9406</a>
Hunter-Lab	<a href="#">54.1845, 27.7903, -30.0198</a>

# Details

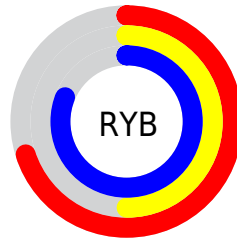
The XYZ color **37.2198, 29.3596, 62.0978** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **39.6790, 52.7698, 28.5178**, and the grayscale version is **29.6650, 31.2099, 33.9876**.

A 20% lighter version of the original color is **69.0389, 58.3381, 102.2294**, and **16.6225, 11.9682, 30.7122** is the 20% darker color. If you saturate the color by 10%, you get **33.1496, 23.6699, 61.2146**, and if you desaturate by 10%, it is **41.9290, 36.1898, 63.1684**.

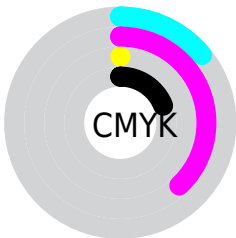
# Distribution



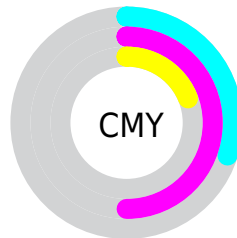
- Red (70%)
- Green (50%)
- Blue (81%)



- Red (70%)
- Yellow (50%)
- Blue (81%)



- Cyan (14%)
- Magenta (38%)
- Yellow (0%)
- Black (19%)




- Cyan (30%)
- Magenta (50%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2198, 29.3596, 62.0978 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 37.2198, 29.3596, 62.0978 by changing the saturation by 10% instead.





 37.2198, 29.3596,  
62.0978


 37.2198, 29.3596,  
62.0978

325.6002,  
298.9079, 450.3052


 25.5522, 19.3530,  
44.6754


 70.2223, 58.6479,  
109.4398

 16.6198, 11.9256,  
30.8608


 92.2880, 78.6985,  
140.1966

 10.0574, 6.6931,  
20.2353


 118.5503,  
102.8658, 176.2352

 5.4996, 3.2709,  
12.3804

149.3747,  
131.5343, 217.9742

 2.5810, 1.2747,  
6.8776

185.1266,  
165.0884, 265.8322

 0.9363, 0.1215,  
3.3084

226.1712,

 0.0000, 0.0000,

203.9124, 320.2277

1.2542

272.8739,  
248.3908, 381.5792

■ 0.0000, 0.0000,  
0.0238

■ 0.0000, 0.0000,  
0.0000

■ 37.2198, 29.3596,  
62.0978

■ 37.2198, 29.3596,  
62.0978

■ 33.1496, 23.6699,  
61.2146

■ 41.9290, 36.1898,  
63.1684

■ 29.6806, 19.0498,  
60.5056

■ 47.3059, 44.2183,  
64.4347

■ 26.7756, 15.4262,  
59.9593

■ 53.3810, 53.5035,  
65.9067

■ 24.3914, 12.7147,  
59.5616

■ 60.1821, 64.0987,  
67.5933

■ 22.4774, 10.8167,  
59.2961

■ 67.7353, 76.0541,  
69.5029

■ 20.9613, 9.5900,  
59.1393

■ 76.0652, 89.4173,  
71.6432

■ 20.6643, 9.3659,  
59.1117

■ 79.4589, 92.7607,  
72.1097

■ 81.8797, 94.0086,  
72.2230

■ 84.4024, 95.3091,  
72.3410

# Harmonies

## Analogous

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



31.1838, 29.3596, 77.0039



37.2198, 29.3596, 62.0978



40.9973, 29.3596, 41.2381

# Triad

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



37.2198, 29.3596, 62.0978



30.9782, 29.3596, 9.1059



17.9857, 29.3596, 41.8907

# Complementary

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



37.2198, 29.3596, 62.0978



39.6790, 52.7698, 28.5178

# 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.



17.9475, 29.3596, 24.2023



37.2198, 29.3596, 62.0978



24.8653, 29.3596, 9.1696

# Square

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



37.2198, 29.3596, 62.0978



37.0504, 29.3596, 13.3832



20.2911, 29.3596, 13.6089



20.4046, 29.3596, 62.7243



# Rectangle

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



37.2198, 29.3596, 62.0978



41.4173, 29.3596, 28.8399



20.2911, 29.3596, 13.6089



17.7072, 29.3596, 35.3136

# Sweetspot

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



37.2208, 29.3608, 62.0984



83.1374, 81.5308, 105.9630



32.0333, 33.0255, 63.0792



17.5022, 17.0027, 22.6093



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.



37.2208, 29.3608, 62.0984



55.1399, 40.3164, 99.4834



43.0920, 32.5287, 55.9943



11.2817, 11.1945, 14.1365



12.8335, 5.8235, 36.4039



0.7430, 0.3422, 1.8818



# Inverse Universe

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



39.1745, 30.9617, 35.3655



59.0407, 43.4437, 49.2284



35.5909, 50.5792, 32.0852



11.3759, 11.2791, 12.5143



16.4760, 8.4010, 4.9593

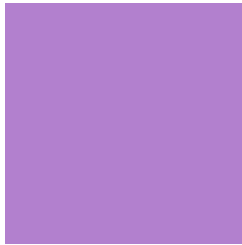


0.8860, 0.4478, 0.4457



# Previews

## White Background



This preview shows how the XYZ color 37.2198, 29.3596, 62.0978 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

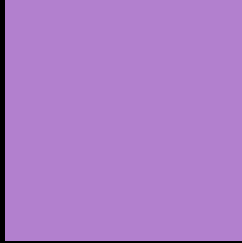
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.2198, 29.3596, 62.0978 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

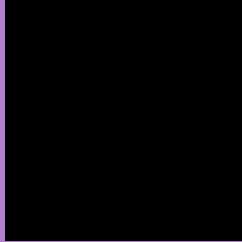
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 37.2198, 29.3596, 62.0978**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.2198, 29.3596, 62.0978.



This preview shows how white text looks on a background with the XYZ color 37.2198, 29.3596,



# 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

37.2198, 29.3596, 62.0978

### Protanopia

31.0697, 29.5557, 71.7774

### Deuteranopia

30.4184, 29.6949, 60.6284



## Tritanopia

31.2453, 29.3932, 32.8808

# Trichromacy



**Original Color**

37.2198, 29.3596, 62.0978

**Protanomaly**

32.6537, 29.1223, 68.1901

**Deuteranomaly**

32.3444, 29.1208, 61.0429

**Tritanomaly**

33.0731, 29.2813, 41.9389

# Monochromacy



**Original Color**

37.2198, 29.3596, 62.0978

**Achromatopsia**

29.8446, 31.3989, 34.1934

**Achromatomaly**

31.9668, 30.2005, 43.1742

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.2198, 29.3596, 62.0978 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(178, 128, 206)` looks like.

```
.text, #text, p{  
    color:rgb(178, 128, 206)  
}
```

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(178, 128, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 128, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 37.2198, 29.3596, 62.0978 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(178, 128, 206) }
```



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

```
.border{ border-color:rgb(178, 128, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 128, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 128, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 128, 206);  
box-shadow:4px 4px 4px 4px rgb(178, 128,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.2198, 29.3596, 62.0978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 128, 206) }
```

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

```
.background{ background-color: rgb(178,  
128, 206) }
```

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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