

# Converting Colors

XYZ(38.0984, 28.7509, 52.7786)

Have a look what the booklet for  
XYZ(38.0984, 28.7509, 52.7786)  
contains.

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# Color

**XYZ(37.9796, 28.6428,  
52.8171)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C079BF
RGB	192, 121, 191
RGB Percent	75%, 47%, 75%
CMY	0.2471, 0.5255, 0.2510
CMYK	0.00, 0.37, 0.01, 0.25
HSL	301°, 36%, 61%
HSV	301°, 37%, 75%
XYZ	37.9796, 28.6428, 52.8171
YIQ	150.2090, 19.8460, 36.8220

# Conversions

## Conversions Part 2

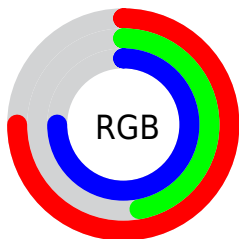
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	192, 121, 191
Decimal	12614079
CIE <sub>Lab</sub>	60.47, 38.69, -25.31
CIE <sub>LCh</sub>	60, 46.229, 326.806
Yxy	28.6428, 0.3180, 0.2398
Android (android.graphics.Color)	4290804159 (0xFFC079BF)
YUV	150.2090, 20.1100, 36.6507
Hunter-Lab	53.5190, 33.0139, -21.0492

# Details

The XYZ color **37.9796, 28.6428, 52.8171** is a light color, and the websafe version is hex **996699**. A complement of this color would be **30.2489, 43.1704, 25.1524**, and the grayscale version is **28.9903, 30.5001, 33.2146**.

A 20% lighter version of the original color is **71.3402, 57.5770, 96.1604**, and **17.0220, 11.5048, 24.9904** is the 20% darker color. If you saturate the color by 10%, you get **35.8450, 24.4207, 51.9591**, and if you desaturate by 10%, it is **40.5804, 33.7962, 53.8314**.

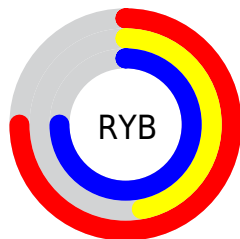
# Distribution



Red (75%)

Green (47%)

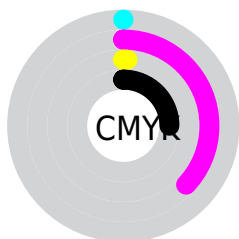
Blue (75%)



Red (75%)

Yellow (47%)

Blue (75%)

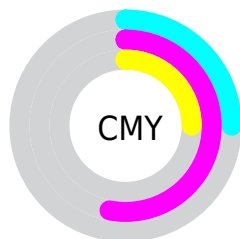


Cyan (0%)

Magenta (37%)

Yellow (1%)

Black (25%)



Cyan (25%)

Magenta (53%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9796, 28.6428, 52.8171 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 37.9796, 28.6428, 52.8171 by changing the saturation by 10% instead.





 37.9796, 28.6428,  
52.8171


 37.9796, 28.6428,  
52.8171


328.8148,  
295.5258, 414.6294


 26.1440, 18.8108,  
37.2701


 71.3810, 57.5091,  
95.7740

 17.0646, 11.5336,  
25.1192

 93.6774, 77.3121,  
124.0209

 10.3762, 6.4270,  
15.9461


 120.1916,  
101.2076, 157.3382

 5.7133, 3.1064,  
9.3321

151.2888,  
129.5800, 196.1445

 2.7105, 1.1875,  
4.8586

187.3343,  
162.8136, 240.8582

 1.0026, 0.0515,  
2.1073

228.6936,

 0.0000, 0.0000,

201.2928, 291.8979

0.6201

275.7320,  
245.4021, 349.6821

■ 0.0000, 0.0000,  
0.0000

■ 37.9796, 28.6428,  
52.8171

■ 37.9796, 28.6428,  
52.8171

■ 35.8450, 24.4207,  
51.9591

■ 40.5804, 33.7962,  
53.8314

■ 34.1462, 21.0706,  
51.2463

■ 43.6702, 39.9278,  
55.0087

■ 32.8535, 18.5325,  
50.6691


■ 47.2732, 47.0861,  
56.3573


■ 31.9322, 16.7374,  
50.2160

■ 51.4117, 55.3151,  
57.8847

■ 31.3421, 15.6044,  
49.8736


■ 56.1064, 64.6564,  
59.5978


 31.0279, 15.0232,  
49.6234

 61.3769, 75.1493,  
61.5030

 30.9560, 14.8936,  
49.5555

 67.1125, 86.5722,  
63.5636

 67.1427, 86.5843,  
63.7227

 67.1730, 86.5964,  
63.8820

# Harmonies

## Analogous

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



32.7240, 28.6428, 70.5897



37.9796, 28.6428, 52.8171



40.3384, 28.6428, 33.0508

# Triad

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



37.9796, 28.6428, 52.8171



27.8673, 28.6428, 8.5604



18.2262, 28.6428, 48.4458

# Complementary

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



37.9796, 28.6428, 52.8171



30.2489, 43.1704, 25.1524

# 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.



17.3134, 28.6428, 29.3949



37.9796, 28.6428, 52.8171



22.3778, 28.6428, 10.1135

# Square

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



37.9796, 28.6428, 52.8171



33.9896, 28.6428, 11.0009



18.7190, 28.6428, 16.4533



21.4218, 28.6428, 67.4856



# Rectangle

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



37.9796, 28.6428, 52.8171



39.7287, 28.6428, 22.6304



18.7190, 28.6428, 16.4533



17.6644, 28.6428, 41.6674

# Sweetspot

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



37.9805, 28.6441, 52.8177



82.7981, 79.6383, 101.0501



24.2382, 21.5469, 52.7515



17.5714, 16.7045, 21.6069



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.9805, 28.6441, 52.8177



65.7561, 45.8444, 94.4752



34.6199, 27.2998, 35.1209



10.4910, 10.2450, 12.6761



20.8323, 10.0227, 33.3587



0.9021, 0.4338, 1.4519



# Inverse Universe

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



37.9805, 28.6441, 52.8177



65.7561, 45.8444, 94.4752



32.7791, 44.1825, 38.4766



10.4910, 10.2450, 12.6761



20.8323, 10.0227, 33.3587

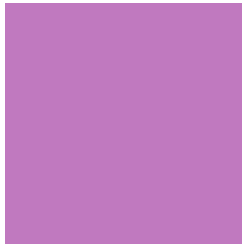


0.9021, 0.4338, 1.4519



# Previews

## White Background



This preview shows how the XYZ color 37.9796, 28.6428, 52.8171 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

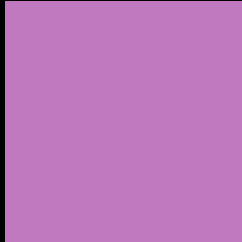
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.9796, 28.6428, 52.8171 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 37.9796, 28.6428, 52.8171**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.9796, 28.6428, 52.8171.



This preview shows how white text looks on a background with the XYZ color 37.9796, 28.6428,

52.8171.

# 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

37.9796, 28.6428, 52.8171

### Protanopia

30.0861, 28.9856, 64.3307

### Deuteranopia

29.4396, 28.7217, 51.0059



## Tritanopia

33.1737, 28.5948, 28.9702

# Trichromacy



## Original Color

37.9796, 28.6428, 52.8171

## Protanomaly

32.0425, 28.3566, 59.6617

## Deuteranomaly

31.8416, 28.2279, 51.3472

## Tritanomaly

34.5864, 28.3733, 36.4546

# Monochromacy



## Original Color

37.9796, 28.6428, 52.8171

## Achromatopsia

28.9890, 30.4987, 33.2131

## Achromatomaly

31.5412, 29.1812, 39.5674

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.9796, 28.6428, 52.8171 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(192, 121, 191)` looks like.

```
.text, #text, p{  
    color:rgb(192, 121, 191)  
}
```

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(192, 121, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 121, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 37.9796, 28.6428, 52.8171 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(192, 121, 191) }
```



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

```
.border{ border-color:rgb(192, 121, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 121, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 121, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 121, 191);  
box-shadow:4px 4px 4px 4px rgb(192, 121,  
191) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.9796, 28.6428, 52.8171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 121, 191) }
```

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

```
.background{ background-color: rgb(192,  
121, 191) }
```

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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