

# Converting Colors

XYZ(37.8943, 29.1820, 59.1717)

Have a look what the booklet for  
XYZ(37.8943, 29.1820, 59.1717)  
contains.

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# Color

**XYZ(37.8838, 29.1986,  
58.8975)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B97DC9
RGB	185, 125, 201
RGB Percent	73%, 49%, 79%
CMY	0.2745, 0.5098, 0.2118
CMYK	0.08, 0.38, 0.00, 0.21
HSL	287°, 41%, 64%
HSV	287°, 38%, 79%
XYZ	37.8838, 29.1986, 58.8975
YIQ	151.6040, 11.3640, 36.3560

# Conversions

## Conversions Part 2

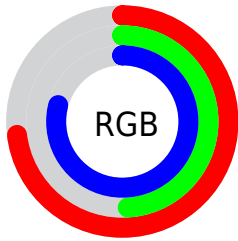
<b>Format</b>	<b>Color</b>
<b>RYB</b>	185, 125, 201
Decimal	12156361
CIELab	60.96, 36.26, -30.27
CIELCh	61, 47.235, 320.139
Yxy	29.1986, 0.3007, 0.2318
Android (android.graphics.Color)	4290346441 (0xFFB97DC9)
YUV	151.6040, 24.3522, 29.2883
Hunter-Lab	54.0357, 30.5817, -26.7995

# Details

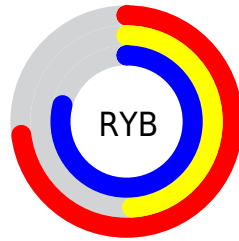
The XYZ color **37.8838, 29.1986, 58.8975** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.5738, 48.9174, 26.9705**, and the grayscale version is **29.5705, 31.1105, 33.8794**.

A 20% lighter version of the original color is **70.7880, 58.3374, 102.1371**, and **17.0753, 11.8294, 28.9871** is the 20% darker color. If you saturate the color by 10%, you get **34.5867, 24.0967, 58.0870**, and if you desaturate by 10%, it is **41.7282, 35.3484, 59.8824**.

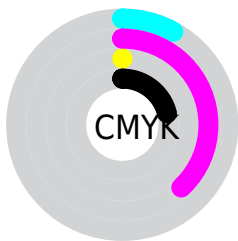
# Distribution



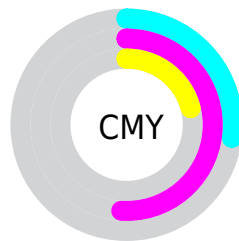
- Red (73%)
- Green (49%)
- Blue (79%)



- Red (73%)
- Yellow (49%)
- Blue (79%)



- Cyan (8%)
- Magenta (38%)
- Yellow (0%)
- Black (21%)




- Cyan (27%)
- Magenta (51%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8838, 29.1986, 58.8975 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 37.8838, 29.1986, 58.8975 by changing the saturation by 10% instead.





 37.8838, 29.1986,  
58.8975


 37.8838, 29.1986,  
58.8975


328.4107,  
298.1509, 438.2133


 26.0693, 19.2311,  
42.1111

 71.2350, 58.3925,  
104.7563

 17.0085, 11.8374,  
28.8621


 93.5025, 78.3876,  
134.6659

 10.3359, 6.6331,  
18.7319


 119.9850,  
102.4942, 169.7869

 5.6862, 3.2337,  
11.3018

151.0480,  
131.0964, 210.5380

 2.6940, 1.2549,  
6.1535

187.0566,  
164.5788, 257.3376

 0.9941, 0.1059,  
2.8684

228.3764,

 0.0000, 0.0000,

203.3258, 310.6043

1.0278

275.3727,  
247.7217, 370.7567

■ 0.0000, 0.0000,  
0.0000

■ 37.8838, 29.1986,  
58.8975

■ 37.8838, 29.1986,  
58.8975

■ 34.5867, 24.0967,  
58.0870

■ 41.7282, 35.3484,  
59.8824

■ 31.8023, 19.9763,  
57.4384

■ 46.1457, 42.5997,  
61.0492

■ 29.4967, 16.7692,  
56.9409

■ 51.1641, 51.0070,  
62.4074

■ 27.6305, 14.3969,  
56.5813

■ 56.8085, 60.6200,  
63.9654

■ 26.1574, 12.7672,  
56.3444

■ 63.1024, 71.4853,  
65.7309

■ 25.0103, 11.7463,  
56.2078

■ 70.0681, 83.6474,  
67.7113

■ 24.7784, 11.5558,  
56.1833

■ 74.2163, 90.1271,  
68.7434

■ 75.4722, 90.7745,  
68.8022

■ 76.7605, 91.4387,  
68.8625

# Harmonies

## Analogous

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



32.0377, 29.1986, 75.5120



37.8838, 29.1986, 58.8975



41.1483, 29.1986, 37.9691

# Triad

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



37.8838, 29.1986, 58.8975



29.8328, 29.1986, 8.7013



18.0433, 29.1986, 44.9738

# Complementary

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



37.8838, 29.1986, 58.8975



35.5738, 48.9174, 26.9705

# 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.



17.6339, 29.1986, 26.3246



37.8838, 29.1986, 58.8975



23.8674, 29.1986, 9.3819

# Square

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



37.8838, 29.1986, 58.8975



36.0657, 29.1986, 12.2026



19.6104, 29.1986, 14.6180



20.8261, 29.1986, 65.6261



# Rectangle

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



37.8838, 29.1986, 58.8975



41.1353, 29.1986, 26.1821



19.6104, 29.1986, 14.6180



17.6413, 29.1986, 38.1517

# Sweetspot

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



37.8848, 29.1998, 58.8981



84.6061, 82.2880, 106.0317



28.5951, 27.7661, 59.1110



17.8534, 17.1838, 22.6258



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.



37.8848, 29.1998, 58.8981



60.3687, 43.0120, 99.7281



39.6059, 30.3596, 46.6691



10.8561, 10.6996, 13.4105



15.6581, 7.3063, 35.3293



0.7978, 0.3750, 1.6755



# Inverse Universe

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



36.2297, 29.0091, 28.8904



57.3924, 42.7844, 40.5487



34.5750, 48.2259, 34.8997



10.7237, 10.6729, 11.5283



15.4392, 7.9252, 2.2566



0.7583, 0.3862, 0.2504



# Previews

## White Background



This preview shows how the XYZ color 37.8838, 29.1986, 58.8975 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

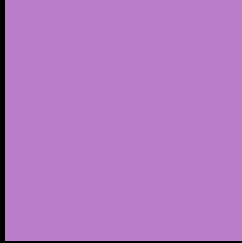
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.8838, 29.1986, 58.8975 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

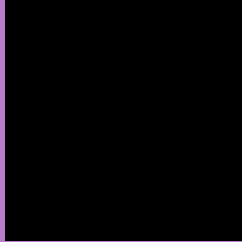
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 37.8838, 29.1986, 58.8975**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.8838, 29.1986, 58.8975.



This preview shows how white text looks on a background with the XYZ color 37.8838, 29.1986,



# 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

37.8838, 29.1986, 58.8975

### Protanopia

30.8182, 29.4715, 69.7099

### Deuteranopia

30.0350, 29.3503, 56.9055



## Tritanopia

32.2021, 29.0620, 31.5161

# Trichromacy



## Original Color

37.8838, 29.1986, 58.8975

## Protanomaly

32.7004, 28.9911, 65.5004

## Deuteranomaly

32.4184, 29.0265, 57.3201

## Tritanomaly

34.0487, 28.9958, 40.3614

# Monochromacy



## Original Color

37.8838, 29.1986, 58.8975

## Achromatopsia

29.8446, 31.3989, 34.1934

## Achromatomaly

32.2385, 30.1408, 42.1488

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.8838, 29.1986, 58.8975 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(185, 125, 201)` looks like.

```
.text, #text, p{  
    color:rgb(185, 125, 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(185, 125, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 125, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 37.8838, 29.1986, 58.8975 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(185, 125, 201) }
```



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

```
.border{ border-color:rgb(185, 125, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 125, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 125, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 125, 201);  
box-shadow:4px 4px 4px 4px rgb(185, 125,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.8838, 29.1986, 58.8975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 125, 201) }
```

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

```
.background{ background-color: rgb(185,  
125, 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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