

Converting Colors

XYZ(37.6777, 28.3680, 40.8072)

Have a look what the booklet for
XYZ(37.6777, 28.3680, 40.8072)
contains.

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Color

**XYZ(37.8457, 28.4757,
41.0378)**

Conversions

Conversions Part 1

Format	Color
Hex	C977A9
RGB	201, 119, 169
RGB Percent	79%, 47%, 66%
CMY	0.2118, 0.5333, 0.3373
CMYK	0.00, 0.41, 0.16, 0.21
HSL	323°, 43%, 63%
HSV	323°, 41%, 79%
XYZ	37.8457, 28.4757, 41.0378
YIQ	149.2180, 32.8220, 32.9340

Conversions

Conversions Part 2

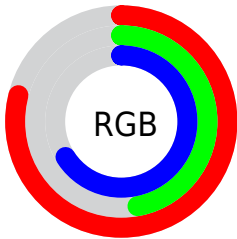
Format	Color
R_{YB}	201, 119, 169
Decimal	13203369
CIE _{Lab}	60.32, 38.89, -12.89
CIE _{LCh}	60, 40.974, 341.666
Yxy	28.4757, 0.3525, 0.2652
Android (android.graphics.Color)	4291393449 (0xFFC977A9)
YUV	149.2180, 9.7525, 45.4128
Hunter-Lab	53.3626, 33.2107, -8.2423

Details

The XYZ color **37.8457, 28.4757, 41.0378** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **34.0816, 47.9306, 36.7355**, and the grayscale version is **28.6101, 30.1001, 32.7790**.

A 20% lighter version of the original color is **69.6381, 56.5290, 77.7619**, and **16.9551, 11.4383, 18.1438** is the 20% darker color. If you saturate the color by 10%, you get **34.9873, 23.9020, 36.5601**, and if you desaturate by 10%, it is **41.2558, 34.0814, 45.9180**.

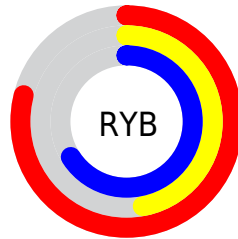
Distribution



Red (79%)

Green (47%)

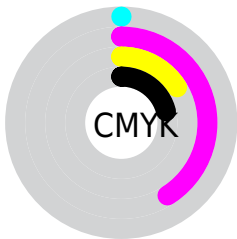
Blue (66%)



Red (79%)

Yellow (47%)

Blue (66%)

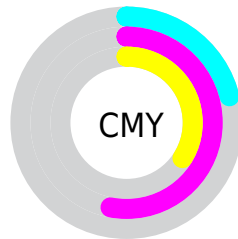


Cyan (0%)

Magenta (41%)

Yellow (16%)

Black (21%)



Cyan (21%)


Magenta (53%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8457, 28.4757, 41.0378 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 37.8457, 28.4757, 41.0378 by changing the saturation by 10% instead.


 37.8457, 28.4757,
41.0378


 37.8457, 28.4757,
41.0378

328.2499,
294.7331, 366.1599


 26.0396, 18.6846,
28.0287


 71.1770, 57.2430,
77.9956

 16.9861, 11.4426,
18.1081

 93.4329, 76.9880,
102.7813

 10.3198, 6.3653,
10.8574


 119.9029,
100.8197, 132.3297

 5.6754, 3.0685,
5.8580

150.9521,
129.1225, 167.0592

 2.6875, 1.1676,
2.6916

186.9461,
162.2809, 207.3885

 0.9908, 0.0350,
0.9392

228.2502,

 0.0000, 0.0000,

200.6792, 253.7360

0.0000

275.2297,
244.7018, 306.5203

■ 37.8457, 28.4757,
41.0378

■ 37.8457, 28.4757,
41.0378

■ 34.9873, 23.9020,
36.5601

■ 41.2558, 34.0814,
45.9180

■ 32.6451, 20.2917,
32.4684

■ 45.2453, 40.7742,
51.2128

■ 30.7835, 17.5741,
28.7472

■ 49.8427, 48.6097,
56.9355

■ 29.3605, 15.6669,
25.3786

■ 55.0740, 57.6390,
63.0983

■ 28.3267, 14.4726,
22.3419

■ 60.9638, 67.9098,
69.7129

■ 27.6352, 13.8366,
19.8082

■ 67.5350, 79.4670,
76.7903

■ 73.2902, 89.3146,
83.8346

■ 74.3784, 89.7500,
89.5654

■ 75.5165, 90.2052,
95.5581

Harmonies

Analogous

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



34.3611, 28.4757, 58.0670



37.8457, 28.4757, 41.0378



38.2277, 28.4757, 25.5091

Triad

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



37.8457, 28.4757, 41.0378



25.0712, 28.4757, 10.4098



20.1912, 28.4757, 54.5226

Complementary

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



37.8457, 28.4757, 41.0378



34.0816, 47.9306, 36.7355

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.



18.3195, 28.4757, 37.2390



37.8457, 28.4757, 41.0378



20.8831, 28.4757, 14.0105

Square

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



37.8457, 28.4757, 41.0378



30.3729, 28.4757, 10.8367



18.5552, 28.4757, 22.7575



24.0070, 28.4757, 67.4286

Rectangle

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



37.8457, 28.4757, 41.0378



36.6183, 28.4757, 18.1496



18.5552, 28.4757, 22.7575



19.3375, 28.4757, 48.8326

Sweetspot

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



37.8466, 28.4770, 41.0384



84.1897, 81.2611, 96.0876



29.7983, 23.9374, 58.3088



17.7880, 16.9961, 20.2827



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.



37.8466, 28.4770, 41.0384



60.3986, 41.7063, 63.4100



34.6190, 27.1860, 24.0425



10.9010, 10.7438, 12.4617



17.4218, 8.7183, 12.6969



0.8597, 0.4267, 0.7844

Inverse Universe

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



37.8466, 28.4770, 41.0384



60.3986, 41.7063, 63.4100



37.9472, 49.4768, 57.0914



10.9010, 10.7438, 12.4617



17.4218, 8.7183, 12.6969



0.8597, 0.4267, 0.7844

Previews

White Background



This preview shows how the XYZ color 37.8457, 28.4757, 41.0378 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 37.8457, 28.4757, 41.0378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

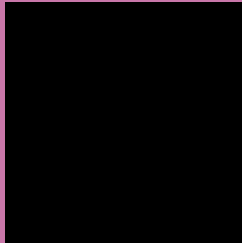
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.8457, 28.4757, 41.0378

Background



This preview shows how black text looks on a background with the XYZ color 37.8457, 28.4757, 41.0378.



This preview shows how white text looks on a background with the XYZ color 37.8457, 28.4757,

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

37.8457, 28.4757, 41.0378

Protanopia

28.8279, 28.6426, 50.4636

Deuteranopia

29.2270, 28.6419, 39.5853



Tritanopia

34.8600, 28.5413, 26.5934

Trichromacy



Original Color

37.8457, 28.4757, 41.0378

Protanomaly

31.2003, 27.9942, 46.9390

Deuteranomaly

31.7702, 28.2384, 39.8525

Tritanomaly

35.6381, 28.2783, 31.1837

Monochromacy



Original Color

37.8457, 28.4757, 41.0378

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

31.2377, 28.9021, 35.3847

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8457, 28.4757, 41.0378 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(201, 119, 169)` looks like.

```
.text, #text, p{  
    color:rgb(201, 119, 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(201, 119, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 119, 169) }
```

Border

The CSS property to change the border of an element to XYZ 37.8457, 28.4757, 41.0378 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(201, 119, 169) }
```


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

```
.border{ border-color:rgb(201, 119, 169) }
```

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

Here you see how a box with a 4 pixel rgb(201, 119, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 119, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 119, 169);  
box-shadow:4px 4px 4px 4px rgb(201, 119,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8457, 28.4757, 41.0378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 119, 169) }
```

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

```
.background{ background-color: rgb(201,  
119, 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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