

Converting Colors

XYZ(37.8746, 27.8327, 47.0921)

Have a look what the booklet for
XYZ(37.8746, 27.8327, 47.0921)
contains.

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Color

**XYZ(37.8746, 27.8327,
47.0921)**

Conversions

Conversions Part 1

Format	Color
Hex	C674B5
RGB	198, 116, 181
RGB Percent	78%, 45%, 71%
CMY	0.2235, 0.5451, 0.2902
CMYK	0.00, 0.41, 0.09, 0.22
HSL	312°, 42%, 62%
HSV	312°, 41%, 78%
XYZ	37.8746, 27.8327, 47.0921
YIQ	147.9280, 28.0070, 37.5990

Conversions

Conversions Part 2

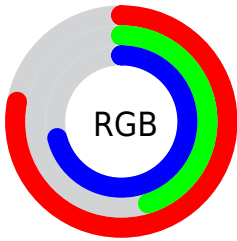
Format	Color
RYB	198, 116, 181
Decimal	13006005
CIELab	59.74, 41.48, -20.67
CIELCh	60, 46.346, 333.517
Yxy	27.8327, 0.3358, 0.2467
Android (android.graphics.Color)	4291196085 (0xFFC674B5)
YUV	147.9280, 16.3045, 43.9131
Hunter-Lab	52.7567, 35.8228, -15.9942

Details

The XYZ color **37.8746, 27.8327, 47.0921** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **31.6314, 45.7956, 29.3644**, and the grayscale version is **28.0451, 29.5056, 32.1316**.

A 20% lighter version of the original color is **70.9008, 56.1239, 87.2169**, and **16.9419, 11.0899, 21.6697** is the 20% darker color. If you saturate the color by 10%, you get **35.4159, 23.5792, 44.2250**, and if you desaturate by 10%, it is **40.8338, 33.0665, 50.1879**.

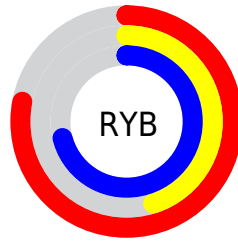
Distribution



Red (78%)

Green (45%)

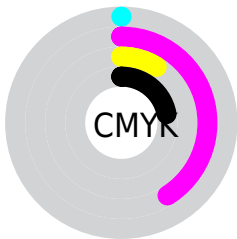
Blue (71%)



Red (78%)

Yellow (45%)

Blue (71%)

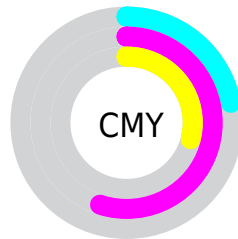


Cyan (0%)

Magenta (41%)

Yellow (9%)

Black (22%)



Cyan (22%)

Magenta (55%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8746, 27.8327, 47.0921 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 37.8746, 27.8327, 47.0921 by changing the saturation by 10% instead.

37.8746, 27.8327,
47.0921

37.8746, 27.8327,
47.0921

328.3719,
291.6666, 391.5864

26.0621, 18.1996,
32.7536

71.2210, 56.2172,
87.2025

17.0031, 11.0934,
21.6682

93.4857, 75.7374,
113.8115

10.3320, 6.1297,
13.4173

119.9652, 99.3221,
145.3477

5.6836, 2.9241,
7.5824

151.0248,
127.3557, 182.2297

2.6925, 1.0922,
3.7450

187.0300,
160.2225, 224.8761

0.9933, 0.0000,
1.4865

228.3459,

0.0000, 0.0000,

198.3070, 273.7053

0.2079

275.3381,
241.9936, 329.1359

■ 0.0000, 0.0000,
0.0000

■ 37.8746, 27.8327,
47.0921

■ 37.8746, 27.8327,
47.0921

■ 35.4159, 23.5792,
44.2250

■ 40.8338, 33.0665,
50.1879

■ 33.4239, 20.2397,
41.5739

■ 44.3195, 39.3337,
53.5206

■ 31.8645, 17.7460,
39.1272

■ 48.3589, 46.6881,
57.1001

■ 30.6978, 16.0182,
36.8711

■ 52.9765, 55.1786,
60.9352

■ 29.8763, 14.9617,
34.7891

■ 58.1954, 64.8513,
65.0340

■ 29.3705, 14.4385,
33.1145

■ 64.0375, 75.7495,
69.4042

■ 70.5233, 87.9144,
74.0533

■ 71.1664, 88.3729,
76.8195

■ 71.6970, 88.5851,
79.6133

Harmonies

Analogous

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



33.1760, 27.8327, 65.9534



37.8746, 27.8327, 47.0921



39.3688, 27.8327, 28.3685

Triad

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



37.8746, 27.8327, 47.0921



25.7690, 27.8327, 8.1602



18.1286, 27.8327, 51.8428

Complementary

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



37.8746, 27.8327, 47.0921



31.6314, 45.7956, 29.3644

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.



16.7266, 27.8327, 32.3278



37.8746, 27.8327, 47.0921



20.7077, 27.8327, 10.5780

Square

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



37.8746, 27.8327, 47.0921



31.8033, 27.8327, 9.6268



17.5966, 27.8327, 18.0730



21.7412, 27.8327, 69.3336

Rectangle

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



37.8746, 27.8327, 47.0921



38.1886, 27.8327, 19.1670



17.5966, 27.8327, 18.0730



17.4095, 27.8327, 45.0900

Sweetspot

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



37.8755, 27.8340, 47.0927



85.0485, 81.6047, 100.6099



26.0181, 21.5073, 56.2068



17.9907, 17.0772, 21.3503



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.



37.8755, 27.8340, 47.0927



62.9763, 42.2011, 78.6373



34.3132, 26.4091, 28.3339



10.9853, 10.7775, 12.9056



19.1319, 9.4023, 21.7023



0.9303, 0.4550, 1.1562

Inverse Universe

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



37.8755, 27.8340, 47.0927



62.9763, 42.2011, 78.6373



34.9792, 47.1347, 46.9938



10.9853, 10.7775, 12.9056



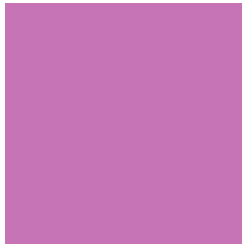
19.1319, 9.4023, 21.7023



0.9303, 0.4550, 1.1562

Previews

White Background



This preview shows how the XYZ color 37.8746, 27.8327, 47.0921 looks on a white background.

Color Contrast Check

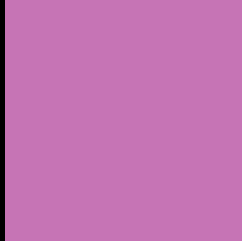
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.8746, 27.8327, 47.0921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

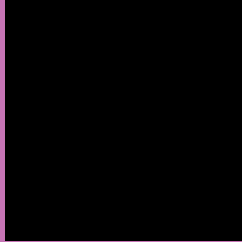
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.8746, 27.8327, 47.0921

Background



This preview shows how black text looks on a background with the XYZ color 37.8746, 27.8327, 47.0921.



This preview shows how white text looks on a background with the XYZ color 37.8746, 27.8327,

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

37.8746, 27.8327, 47.0921

Protanopia

28.8507, 28.0282, 58.5330

Deuteranopia

28.5167, 27.9351, 44.9633



Tritanopia

33.6991, 27.7540, 26.5026

Trichromacy



Original Color

37.8746, 27.8327, 47.0921



Protanomaly

31.1500, 27.3976, 54.0986



Deuteranomaly

31.1874, 27.3983, 45.7641



Tritanomaly

35.1327, 27.7882, 33.2177

Monochromacy



Original Color

37.8746, 27.8327, 47.0921



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

30.8752, 28.2534, 37.0839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8746, 27.8327, 47.0921 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(198, 116, 181)` looks like.

```
.text, #text, p{  
    color:rgb(198, 116, 181)  
}
```

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(198, 116, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 116, 181) }
```

Border

The CSS property to change the border of an element to XYZ 37.8746, 27.8327, 47.0921 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(198, 116, 181) }
```


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

```
.border{ border-color:rgb(198, 116, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 116, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 116, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 116, 181);  
box-shadow:4px 4px 4px 4px rgb(198, 116,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8746, 27.8327, 47.0921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 116, 181) }
```

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

```
.background{ background-color: rgb(198,  
116, 181) }
```

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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