

Converting Colors

XYZ(37.4877, 29.8589, 37.0452)

Have a look what the booklet for
XYZ(37.4877, 29.8589, 37.0452)
contains.

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Color

**XYZ(37.4877, 29.8589,
37.0452)**

Conversions

Conversions Part 1

Format	Color
Hex	C77FA0
RGB	199, 127, 160
RGB Percent	78%, 50%, 63%
CMY	0.2196, 0.5019, 0.3725
CMYK	0.00, 0.36, 0.20, 0.22
HSL	333°, 39%, 64%
HSV	333°, 36%, 78%
XYZ	37.4877, 29.8589, 37.0452
YIQ	152.2900, 32.3190, 25.5270

Conversions

Conversions Part 2

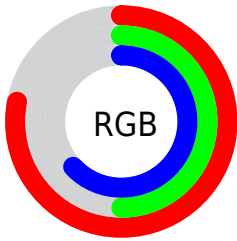
Format	Color
RYB	199, 127, 160
Decimal	13074336
CIELab	61.53, 32.49, -5.95
CIELCh	62, 33.028, 349.629
Yxy	29.8589, 0.3591, 0.2860
Android (android.graphics.Color)	4291264416 (0xFFC77FA0)
YUV	152.2900, 3.8010, 40.9647
Hunter-Lab	54.6433, 26.8331, -1.9451

Details

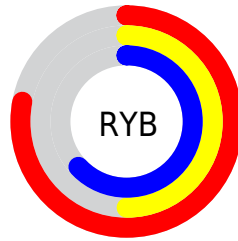
The XYZ color **37.4877, 29.8589, 37.0452** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **36.0600, 48.1128, 43.4648**, and the grayscale version is **29.9453, 31.5048, 34.3087**.

A 20% lighter version of the original color is **70.0296, 59.2140, 72.0285**, and **16.8464, 12.2023, 15.9354** is the 20% darker color. If you saturate the color by 10%, you get **34.2644, 24.8565, 31.5182**, and if you desaturate by 10%, it is **41.3021, 35.9120, 43.1733**.

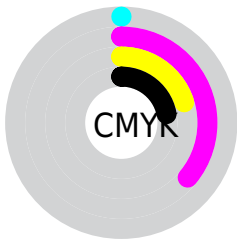
Distribution



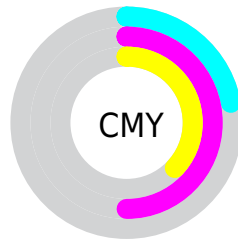
- Red (78%)
- Green (50%)
- Blue (63%)



- Red (78%)
- Yellow (50%)
- Blue (63%)



- Cyan (0%)
- Magenta (36%)
- Yellow (20%)
- Black (22%)




- Cyan (22%)
- Magenta (50%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4877, 29.8589, 37.0452 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 37.4877, 29.8589, 37.0452 by changing the saturation by 10% instead.

 37.4877, 29.8589,
37.0452


 37.4877, 29.8589,
37.0452


326.7362,
301.2462, 348.6808

 25.7607, 19.7315,
24.9464


 70.6312, 59.4390,
71.8294

 16.7765, 12.2000,
15.8185


 92.7785, 79.6604,
95.3519

 10.1696, 6.8801,
9.2428


 119.1298,
104.0154, 123.5194

 5.5747, 3.3872,
4.8009

150.0507,
132.8882, 156.7505

 2.6264, 1.3371,
2.0743

185.9064,
166.6633, 195.4636

 0.9594, 0.1696,
0.6004

227.0623,

 0.0000, 0.0000,

205.7251, 240.0773

0.0000

273.8838,
250.4579, 291.0102

■ 37.4877, 29.8589,
37.0452

■ 37.4877, 29.8589,
37.0452

■ 34.2644, 24.8565,
31.5182

■ 41.3021, 35.9120,
43.1733

■ 31.5976, 20.8396,
26.5696

■ 45.7345, 43.0675,
49.9205

■ 29.4527, 17.7424,
22.1777


■ 50.8133, 51.3787,
57.3059


■ 27.7900, 15.4893,
18.3182


■ 56.5644, 60.8943,
65.3474


■ 26.5637, 13.9921,
14.9641


■ 63.0121, 71.6600,
74.0619


 25.7161, 13.1394,
12.0841

 70.1794, 83.7193,
83.4657

 25.4504, 12.9010,
11.0922

 74.3752, 89.6869,
92.3369

 75.9846, 90.3307,
100.8121

 77.3633, 90.8822,
108.0723

Harmonies

Analogous

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



35.2855, 29.8589, 50.7519



37.4877, 29.8589, 37.0452



37.0661, 29.8589, 25.0692

Triad

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



37.4877, 29.8589, 37.0452



25.6461, 29.8589, 14.6858



23.2711, 29.8589, 54.5439

Complementary

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



37.4877, 29.8589, 37.0452



36.0600, 48.1128, 43.4648

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.



21.1694, 29.8589, 41.2972



37.4877, 29.8589, 37.0452



22.4399, 29.8589, 19.2668

Square

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



37.4877, 29.8589, 37.0452



29.9218, 29.8589, 14.1011



20.8816, 29.8589, 28.3632



26.8920, 29.8589, 62.4438

Rectangle

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



37.4877, 29.8589, 37.0452



35.3665, 29.8589, 19.4359



20.8816, 29.8589, 28.3632



22.3801, 29.8589, 50.4310

Sweetspot

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



37.4886, 29.8603, 37.0458



84.3947, 82.4505, 93.7531



33.4998, 27.3461, 57.5458



17.8044, 17.2235, 19.6885



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.



37.4886, 29.8603, 37.0458



61.3376, 45.5854, 57.5539



35.2881, 29.4820, 23.9111



10.8326, 10.7164, 12.1020



16.4082, 8.3129, 7.3596



0.8134, 0.4082, 0.5404

Inverse Universe

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



37.4886, 29.8603, 37.0458



61.3376, 45.5854, 57.5539



38.9377, 48.3873, 61.3206



10.8326, 10.7164, 12.1020



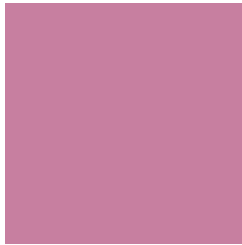
16.4082, 8.3129, 7.3596



0.8134, 0.4082, 0.5404

Previews

White Background



This preview shows how the XYZ color 37.4877, 29.8589, 37.0452 looks on a white background.

Color Contrast Check

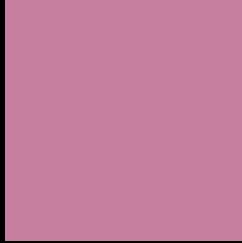
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.4877, 29.8589, 37.0452 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 37.4877, 29.8589, 37.0452

Background



This preview shows how black text looks on a background with the XYZ color 37.4877, 29.8589, 37.0452.



This preview shows how white text looks on a background with the XYZ color 37.4877, 29.8589,

37.0452.

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

37.4877, 29.8589, 37.0452

Protanopia

29.6343, 30.1262, 43.7882

Deuteranopia

30.7084, 30.1587, 36.1010



Tritanopia

35.8759, 29.9964, 28.7100

Trichromacy



Original Color

37.4877, 29.8589, 37.0452

Protanomaly

31.7558, 29.4758, 41.0615

Deuteranomaly

32.7156, 29.6443, 36.3454

Tritanomaly

36.5378, 30.0776, 31.4836

Monochromacy



Original Color

37.4877, 29.8589, 37.0452

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

32.1010, 30.4465, 35.1952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4877, 29.8589, 37.0452 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(199, 127, 160)` looks like.

```
.text, #text, p{  
    color:rgb(199, 127, 160)  
}
```

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(199, 127, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 127, 160) }
```

Border

The CSS property to change the border of an element to XYZ 37.4877, 29.8589, 37.0452 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(199, 127, 160) }
```


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

```
.border{ border-color:rgb(199, 127, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 127, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 127, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 127, 160);  
box-shadow:4px 4px 4px 4px rgb(199, 127,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4877, 29.8589, 37.0452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 127, 160) }
```

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

```
.background{ background-color: rgb(199,  
127, 160) }
```

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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