

Converting Colors

XYZ(37.3142, 27.6281, 38.6002)

Have a look what the booklet for
XYZ(37.3142, 27.6281, 38.6002)
contains.

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Color

**XYZ(37.1887, 27.4984,
38.4696)**

Conversions

Conversions Part 1

Format	Color
Hex	CA73A4
RGB	202, 115, 164
RGB Percent	79%, 45%, 64%
CMY	0.2078, 0.5490, 0.3569
CMYK	0.00, 0.43, 0.19, 0.21
HSL	326°, 45%, 62%
HSV	326°, 43%, 79%
XYZ	37.1887, 27.4984, 38.4696
YIQ	146.5990, 36.1230, 33.6830

Conversions

Conversions Part 2

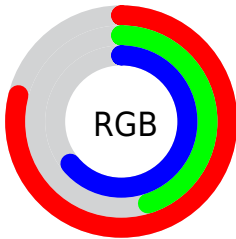
Format	Color
R _Y B	202, 115, 164
Decimal	13267876
CIE Lab	59.43, 40.56, -11.33
CIE LCh	59, 42.114, 344.390
Yxy	27.4984, 0.3605, 0.2666
Android (android.graphics.Color)	4291457956 (0xFFCA73A4)
YUV	146.5990, 8.5787, 48.5867
Hunter-Lab	52.4389, 34.8208, -6.7884

Details

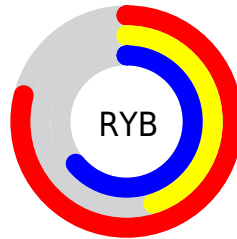
The XYZ color **37.1887, 27.4984, 38.4696** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **33.9418, 48.1866, 37.6513**, and the grayscale version is **27.5239, 28.9573, 31.5345**.

A 20% lighter version of the original color is **68.2141, 54.7504, 73.9904**, and **16.6121, 10.9476, 16.5668** is the 20% darker color. If you saturate the color by 10%, you get **34.3633, 23.0785, 33.7319**, and if you desaturate by 10%, it is **40.5758, 32.9523, 43.6679**.

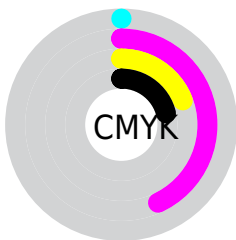
Distribution



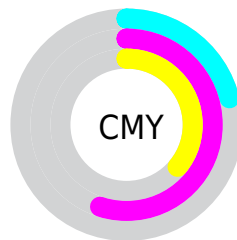
- Red (79%)
- Green (45%)
- Blue (64%)



- Red (79%)
- Yellow (45%)
- Blue (64%)



- Cyan (0%)
- Magenta (43%)
- Yellow (19%)
- Black (21%)





- Cyan (21%)
- Magenta (55%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1887, 27.4984, 38.4696 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 37.1887, 27.4984, 38.4696 by changing the saturation by 10% instead.

 37.1887, 27.4984,
38.4696


 37.1887, 27.4984,
38.4696


325.4681,
290.0623, 354.9886


 25.5280, 17.9479,
26.0427


 70.1749, 55.6826,
74.0387

 16.6017, 10.9126,
16.6295

 92.2310, 75.0851,
98.0181

 10.0444, 6.0081,
9.8116


 118.4830, 98.5404,
126.6853

 5.4909, 2.8500,
5.1702

149.2962,
126.4328, 160.4589

 2.5758, 1.0539,
2.2870

185.0359,
159.1468, 199.7575

 0.9336, 0.0000,
0.7239

226.0676,

 0.0000, 0.0000,

197.0668, 244.9996

0.0000

272.7566,
240.5772, 296.6038

■ 37.1887, 27.4984,
38.4696

■ 37.1887, 27.4984,
38.4696

■ 34.3633, 23.0785,
33.7319

■ 40.5758, 32.9523,
43.6679

■ 32.0625, 19.6218,
29.4361

■ 44.5533, 39.4974,
49.3408

■ 30.2489, 17.0542,
25.5643


■ 49.1512, 47.1912,
55.5039


■ 28.8782, 15.2896,
22.0960

■ 54.3964, 56.0861,
62.1710


■ 27.8975, 14.2241,
19.0073


■ 60.3143, 66.2312,
69.3557

 27.3812, 13.7662,
17.0638

 66.9288, 77.6728,
77.0706

 73.8125, 89.5547,
85.1780

 75.0533, 90.0510,
91.7118

 76.3572, 90.5726,
98.5784

Harmonies

Analogous

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



33.9040, 27.4984, 55.9062



37.1887, 27.4984, 38.4696



37.2596, 27.4984, 23.2788

Triad

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



37.1887, 27.4984, 38.4696



23.6928, 27.4984, 9.6805



19.5300, 27.4984, 55.2447

Complementary

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



37.1887, 27.4984, 38.4696



33.9418, 48.1866, 37.6513

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.



17.4817, 27.4984, 37.7668



37.1887, 27.4984, 38.4696



19.6562, 27.4984, 13.5949

Square

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



37.1887, 27.4984, 38.4696



28.9656, 27.4984, 9.7562



17.5245, 27.4984, 22.7765



23.4977, 27.4984, 67.5988

Rectangle

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



37.1887, 27.4984, 38.4696



35.4449, 27.4984, 16.3342



17.5245, 27.4984, 22.7765



18.6194, 27.4984, 49.5573

Sweetspot

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



37.1895, 27.4997, 38.4701



83.1270, 79.7451, 93.8547



29.8730, 23.2705, 58.7946



17.4003, 16.4088, 19.5738



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.



37.1895, 27.4997, 38.4701



58.3359, 39.3124, 57.3846



33.9279, 26.1950, 21.2945



11.4725, 11.3177, 13.0227



17.6648, 8.8765, 11.2196



0.9490, 0.4730, 0.7774

Inverse Universe

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



37.1895, 27.4997, 38.4701



58.3359, 39.3124, 57.3846



38.1783, 49.8812, 59.9603



11.4725, 11.3177, 13.0227



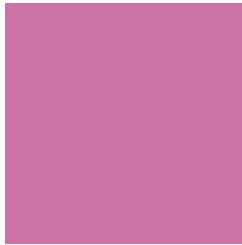
17.6648, 8.8765, 11.2196



0.9490, 0.4730, 0.7774

Previews

White Background



This preview shows how the XYZ color 37.1887, 27.4984, 38.4696 looks on a white background.

Color Contrast Check

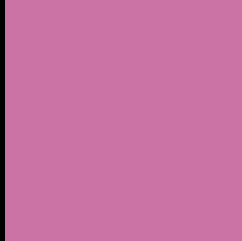
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.1887, 27.4984, 38.4696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

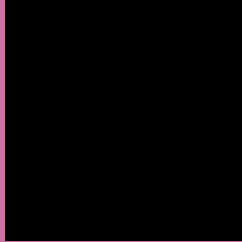
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.1887, 27.4984, 38.4696

Background



This preview shows how black text looks on a background with the XYZ color 37.1887, 27.4984, 38.4696.



This preview shows how white text looks on a background with the XYZ color 37.1887, 27.4984,

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

37.1887, 27.4984, 38.4696

Protanopia

27.7894, 27.7099, 48.1399

Deuteranopia

28.3009, 27.7783, 37.1278



Tritanopia

34.2228, 27.3192, 24.9421

Trichromacy



Original Color

37.1887, 27.4984, 38.4696

Protanomaly

30.0897, 26.8668, 44.1573

Deuteranomaly

30.9115, 27.2408, 37.3470

Tritanomaly

35.1079, 27.3189, 29.4093

Monochromacy



Original Color

37.1887, 27.4984, 38.4696

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

30.3501, 27.8433, 33.9117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1887, 27.4984, 38.4696 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(202, 115, 164)` looks like.

```
.text, #text, p{  
    color:rgb(202, 115, 164)  
}
```

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(202, 115, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 115, 164) }
```

Border

The CSS property to change the border of an element to XYZ 37.1887, 27.4984, 38.4696 is called "border". The border property can be set on classes, ids or directly on the HTML element.

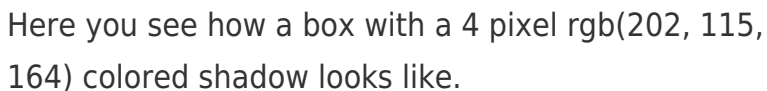
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(202, 115, 164) }
```


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

```
.border{ border-color:rgb(202, 115, 164) }
```

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



Here you see how a box with a 4 pixel `rgb(202, 115, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 115, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 115, 164);  
box-shadow:4px 4px 4px 4px rgb(202, 115,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1887, 27.4984, 38.4696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 115, 164) }
```

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

```
.background{ background-color: rgb(202,  
115, 164) }
```

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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