

Converting Colors

XYZ(37.5875, 29.7540, 33.3660)

Have a look what the booklet for
XYZ(37.5875, 29.7540, 33.3660)
contains.

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Color

**XYZ(37.7570, 29.8852,
33.4842)**

Conversions

Conversions Part 1

Format	Color
Hex	CB7E98
RGB	203, 126, 152
RGB Percent	80%, 49%, 60%
CMY	0.2039, 0.5059, 0.4039
CMYK	0.00, 0.38, 0.25, 0.20
HSL	340°, 43%, 65%
HSV	340°, 38%, 80%
XYZ	37.7570, 29.8852, 33.4842
YIQ	151.9870, 37.5460, 24.4100

Conversions

Conversions Part 2

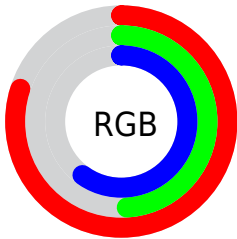
Format	Color
RYB	203, 126, 152
Decimal	13336216
CIELab	61.56, 33.27, -1.28
CIELCh	62, 33.291, 357.795
Yxy	29.8852, 0.3734, 0.2955
Android (android.graphics.Color)	4291526296 (0xFFCB7E98)
YUV	151.9870, 0.0064, 44.7384
Hunter-Lab	54.6674, 27.6164, 1.9515

Details

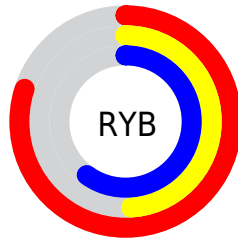
The XYZ color **37.7570, 29.8852, 33.4842** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **37.8973, 50.3227, 49.3133**, and the grayscale version is **29.8288, 31.3822, 34.1752**.

A 20% lighter version of the original color is **68.7018, 58.3587, 66.0359**, and **16.8977, 12.1748, 13.7713** is the 20% darker color. If you saturate the color by 10%, you get **34.3802, 24.7951, 27.2297**, and if you desaturate by 10%, it is **41.7871, 36.0815, 40.5731**.

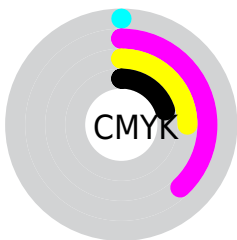
Distribution



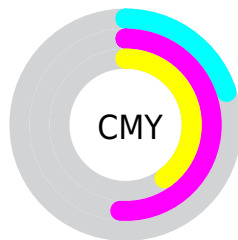
- Red (80%)
- Green (49%)
- Blue (60%)



- Red (80%)
- Yellow (49%)
- Blue (60%)



- Cyan (0%)
- Magenta (38%)
- Yellow (25%)
- Black (20%)





- Cyan (20%)
- Magenta (51%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7570, 29.8852, 33.4842 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 37.7570, 29.8852, 33.4842 by changing the saturation by 10% instead.


 37.7570, 29.8852,
33.4842


 37.7570, 29.8852,
33.4842

327.8753,
301.3690, 332.5246


 25.9705, 19.7515,
22.2235


 71.0418, 59.4806,
66.2554

 16.9341, 12.2145,
13.8213


 93.2709, 79.7110,
88.6031

 10.2826, 6.8899,
7.8592


 119.7115,
104.0758, 115.4834

 5.6504, 3.3934,
3.9185

150.7290,
132.9594, 147.3150

 2.6723, 1.3404,
1.5807

186.6888,
166.7461, 184.5163

 0.9829, 0.1722,
0.2770

227.9562,

 0.0000, 0.0000,

205.8203, 227.5060

0.0000

274.8966,
250.5665, 276.7026

■ 37.7570, 29.8852,
33.4842

■ 37.7570, 29.8852,
33.4842

■ 34.3802, 24.7951,
27.2297

■ 41.7871, 36.0815,
40.5731

■ 31.6179, 20.7410,
21.7754

■ 46.5012, 43.4399,
48.5251

■ 29.4309, 17.6516,
17.0868


■ 51.9311, 52.0179,
57.3700


■ 27.7746, 15.4444,
13.1260


■ 58.1059, 61.8676,
67.1352


■ 26.5965, 14.0231,
9.8514

■ 65.0530, 73.0383,
77.8471

 25.8222, 13.2470,
7.2118

 72.7984, 85.5766,
89.5309

 25.6887, 13.1206,
6.7340

 77.0424, 90.8781,
100.7695

 78.4388, 91.4366,
108.1226

Harmonies

Analogous

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



36.2078, 29.8852, 47.2879



37.7570, 29.8852, 33.4842



36.5931, 29.8852, 22.4715

Triad

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



37.7570, 29.8852, 33.4842



24.6287, 29.8852, 15.4273



24.1179, 29.8852, 57.7415

Complementary

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



37.7570, 29.8852, 33.4842



37.8973, 50.3227, 49.3133

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.



21.5396, 29.8852, 45.2398



37.7570, 29.8852, 33.4842



21.8124, 29.8852, 21.2294

Square

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



37.7570, 29.8852, 33.4842



28.7328, 29.8852, 13.7945



20.7408, 29.8852, 31.6135



28.0797, 29.8852, 63.3695

Rectangle

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



37.7570, 29.8852, 33.4842



34.4960, 29.8852, 17.6527



20.7408, 29.8852, 31.6135



23.0768, 29.8852, 54.0675

Sweetspot

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



37.7578, 29.8866, 33.4848



83.8969, 82.2514, 91.1318



36.1574, 28.4710, 60.0900



17.6861, 17.1762, 19.0656



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.



37.7578, 29.8866, 33.4848



58.2516, 42.5374, 46.8942



37.4197, 32.2524, 23.9935



11.3660, 11.2751, 12.4619



16.3864, 8.3651, 4.4875



0.8807, 0.4457, 0.4175

Inverse Universe

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



37.7578, 29.8866, 33.4848



58.2516, 42.5374, 46.8942



38.1139, 46.2066, 63.4102



11.3660, 11.2751, 12.4619



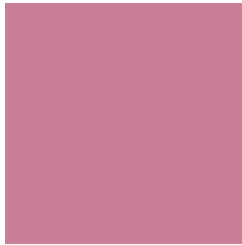
16.3864, 8.3651, 4.4875



0.8807, 0.4457, 0.4175

Previews

White Background



This preview shows how the XYZ color 37.7570, 29.8852, 33.4842 looks on a white background.

Color Contrast Check

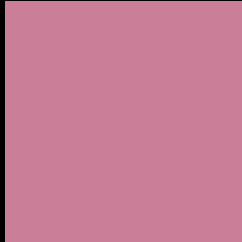
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.7570, 29.8852, 33.4842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

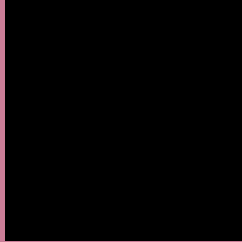
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.7570, 29.8852, 33.4842

Background



This preview shows how black text looks on a background with the XYZ color 37.7570, 29.8852, 33.4842.



This preview shows how white text looks on a background with the XYZ color 37.7570, 29.8852,

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

37.7570, 29.8852, 33.4842

Protanopia

29.4141, 30.0995, 39.8568

Deuteranopia

30.5023, 29.9030, 32.5980



Tritanopia

36.6637, 29.8299, 27.8701

Trichromacy



Original Color

37.7570, 29.8852, 33.4842

Protanomaly

31.6596, 29.5097, 37.2850

Deuteranomaly

32.8108, 29.5583, 32.8302

Tritanomaly

36.9044, 29.7185, 29.7778

Monochromacy



Original Color

37.7570, 29.8852, 33.4842

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

32.2845, 30.5698, 33.9048

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7570, 29.8852, 33.4842 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(203, 126, 152)` looks like.

```
.text, #text, p{  
    color:rgb(203, 126, 152)  
}
```

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(203, 126, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 126, 152) }
```

Border

The CSS property to change the border of an element to XYZ 37.7570, 29.8852, 33.4842 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(203, 126, 152) }
```


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

```
.border{ border-color:rgb(203, 126, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 126, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 126, 152); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 126, 152); box-shadow:4px 4px 4px 4px rgb(203, 126, 152) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7570, 29.8852, 33.4842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 126, 152) }
```

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

```
.background{ background-color: rgb(203,  
126, 152) }
```

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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