

# Converting Colors

XYZ(37.8983, 26.2775, 50.6129)

Have a look what the booklet for  
XYZ(37.8983, 26.2775, 50.6129)  
contains.

<b>XYZ(37.8880, 26.2883, 50.6542)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(37.8880, 26.2883,  
50.6542)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C76BBC
RGB	199, 107, 188
RGB Percent	78%, 42%, 74%
CMY	0.2196, 0.5804, 0.2627
CMYK	0.00, 0.46, 0.06, 0.22
HSL	307°, 45%, 60%
HSV	307°, 46%, 78%
XYZ	37.8880, 26.2883, 50.6542
YIQ	143.7420, 28.8310, 44.6950

# Conversions

## Conversions Part 2

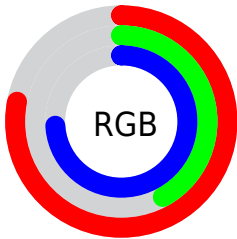
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 107, 188
Decimal	13069244
CIE <sub>Lab</sub>	58.31, 47.68, -26.85
CIE <sub>LCh</sub>	58, 54.720, 330.615
Yxy	26.2883, 0.3299, 0.2289
Android (android.graphics.Color)	4291259324 (0xFFC76BBC)
YUV	143.7420, 21.8192, 48.4613
Hunter-Lab	51.2721, 42.1780, -22.6850

# Details

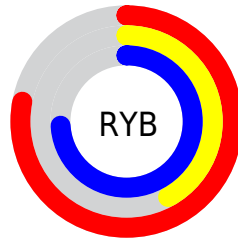
The XYZ color **37.8880, 26.2883, 50.6542** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **29.7580, 45.2816, 24.3130**, and the grayscale version is **26.3133, 27.6837, 30.1475**.

A 20% lighter version of the original color is **70.3140, 53.2814, 92.1663**, and **16.9970, 10.2932, 23.6452** is the 20% darker color. If you saturate the color by 10%, you get **35.7929, 22.5047, 48.7008**, and if you desaturate by 10%, it is **40.4665, 31.0308, 52.7901**.

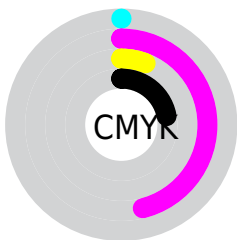
# Distribution



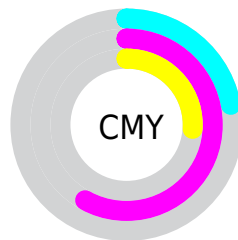
- Red (78%)
- Green (42%)
- Blue (74%)



- Red (78%)
- Yellow (42%)
- Blue (74%)



- Cyan (0%)
- Magenta (46%)
- Yellow (6%)
- Black (22%)



- Cyan (22%)
- Magenta (58%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8880, 26.2883, 50.6542 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 37.8880, 26.2883, 50.6542 by changing the saturation by 10% instead.



37.8880, 26.2883,  
50.6542

37.8880, 26.2883,  
50.6542

328.4284,  
284.1945, 406.0269

26.0726, 17.0394,  
35.5587

71.2414, 53.7397,  
92.5497

17.0109, 10.2626,  
23.8065

93.5102, 72.7110,  
120.1867

10.3376, 5.5734,  
14.9793

119.9941, 95.6919,  
152.8413

5.6874, 2.5875,  
8.6584

151.0585,  
123.0668, 190.9320

2.6948, 0.9204,  
4.4253

187.0688,  
155.2202, 234.8774

0.9945, 0.0000,  
1.8614

228.3903,

0.0000, 0.0000,

192.5363, 285.0960

0.4680

275.3884,  
235.3996, 342.0063

■ 0.0000, 0.0000,  
0.0000

■ 37.8880, 26.2883,  
50.6542

■ 37.8880, 26.2883,  
50.6542

■ 35.7929, 22.5047,  
48.7008

■ 40.4665, 31.0308,  
52.7901

■ 34.1453, 19.6099,  
46.9171

■ 43.5558, 36.7886,  
55.1170

■ 32.9086, 17.5303,  
45.2910

■ 47.1843, 43.6182,  
57.6447

■ 32.0392, 16.1786,  
43.8080

■ 51.3778, 51.5706,  
60.3819

■ 31.4816, 15.4438,  
42.4493

■ 56.1601, 60.6939,  
63.3366

■ 31.3116, 15.2455,  
41.9557

■ 61.5539, 71.0332,  
66.5165

■ 67.5804, 82.6311,  
69.9287

■ 70.5806, 88.1691,  
72.3537

■ 70.8738, 88.2864,  
73.8981

# Harmonies

## Analogous

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



32.0917, 26.2883, 73.2097



37.8880, 26.2883, 50.6542



40.1035, 26.2883, 28.2319

# Triad

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



37.8880, 26.2883, 50.6542



24.8491, 26.2883, 5.3829



15.5063, 26.2883, 51.6577

# Complementary

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



37.8880, 26.2883, 50.6542



29.7580, 45.2816, 24.3130

# 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.



14.2440, 26.2883, 29.0187



37.8880, 26.2883, 50.6542



19.0156, 26.2883, 7.2405

# Square

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



37.8880, 26.2883, 50.6542



31.8113, 26.2883, 7.0842



15.4065, 26.2883, 14.1356



19.2146, 26.2883, 73.9480



# Rectangle

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



37.8880, 26.2883, 50.6542



38.9909, 26.2883, 17.5552



15.4065, 26.2883, 14.1356



14.8147, 26.2883, 43.5752

# Sweetspot

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



37.8889, 26.2895, 50.6547



84.0201, 79.0278, 101.8703



23.0027, 18.4731, 56.3869



17.6589, 16.3009, 21.5870



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.



37.8889, 26.2895, 50.6547



62.8086, 39.6511, 85.4088



33.7145, 24.6197, 28.6727



11.0264, 10.7939, 13.1222



20.1553, 9.8117, 27.0911



0.9702, 0.4709, 1.3661



# Inverse Universe

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



37.8889, 26.2895, 50.6547



62.8086, 39.6511, 85.4088



33.1647, 46.6443, 42.2523



11.0264, 10.7939, 13.1222



20.1553, 9.8117, 27.0911



0.9702, 0.4709, 1.3661



# Previews

## White Background



This preview shows how the XYZ color 37.8880, 26.2883, 50.6542 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

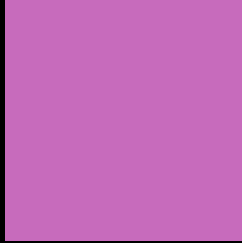
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.8880, 26.2883, 50.6542 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

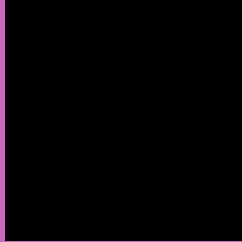
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 37.8880, 26.2883, 50.6542**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.8880, 26.2883, 50.6542.



This preview shows how white text looks on a background with the XYZ color 37.8880, 26.2883,



# 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

37.8880, 26.2883, 50.6542

### Protanopia

28.1690, 26.6259, 66.6054

### Deuteranopia

27.0477, 26.4599, 47.9377



## Tritanopia

32.4171, 26.2244, 24.1221

# Trichromacy



## Original Color

37.8880, 26.2883, 50.6542

## Protanomaly

30.3425, 25.6494, 60.4783

## Deuteranomaly

29.9514, 25.7074, 48.7308

## Tritanomaly

34.1414, 26.0656, 32.0859

# Monochromacy



## Original Color

37.8880, 26.2883, 50.6542

## Achromatopsia

26.5089, 27.8894, 30.3716

## Achromatomaly

29.7713, 26.6632, 36.8351

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.8880, 26.2883, 50.6542 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, 107, 188)` looks like.

```
.text, #text, p{  
    color:rgb(199, 107, 188)  
}
```

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, 107, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 107, 188) }
```

## Border

The CSS property to change the border of an element to XYZ 37.8880, 26.2883, 50.6542 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, 107, 188) }
```



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

```
.border{ border-color:rgb(199, 107, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 107, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 107, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 107, 188);  
box-shadow:4px 4px 4px 4px rgb(199, 107,  
188) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.8880, 26.2883, 50.6542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 107, 188) }
```

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

```
.background{ background-color: rgb(199,  
107, 188) }
```

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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