

Converting Colors

XYZ(38.0146, 25.3652, 67.9801)

Have a look what the booklet for
XYZ(38.0146, 25.3652, 67.9801)
contains.

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Color

**XYZ(37.9840, 25.3497,
67.8568)**

Conversions

Conversions Part 1

Format	Color
Hex	BC67D8
RGB	188, 103, 216
RGB Percent	74%, 40%, 85%
CMY	0.2627, 0.5961, 0.1529
CMYK	0.13, 0.52, 0.00, 0.15
HSL	285°, 59%, 63%
HSV	285°, 52%, 85%
XYZ	37.9840, 25.3497, 67.8568
YIQ	141.2970, 14.3870, 53.1630

Conversions

Conversions Part 2

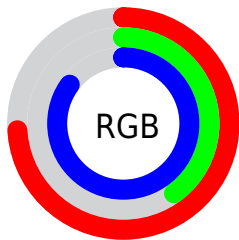
Format	Color
R_{YB}	188, 103, 216
Decimal	12347352
CIE _{Lab}	57.41, 51.85, -44.26
CIE _{LCh}	57, 68.169, 319.516
Y _{xy}	25.3497, 0.2895, 0.1932
Android (android.graphics.Color)	4290537432 (0xFFBC67D8)
YUV	141.2970, 36.8286, 40.9585
Hunter-Lab	50.3485, 46.5545, -44.6637

Details

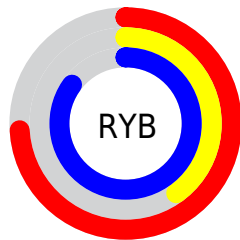
The XYZ color **37.9840, 25.3497, 67.8568** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **36.3648, 54.9169, 21.5163**, and the grayscale version is **25.2908, 26.6079, 28.9760**.

A 20% lighter version of the original color is **68.1130, 50.9268, 100.8476**, and **17.0893, 9.7599, 34.7014** is the 20% darker color. If you saturate the color by 10%, you get **34.8126, 20.9273, 67.1708**, and if you desaturate by 10%, it is **41.7611, 30.9091, 68.7312**.

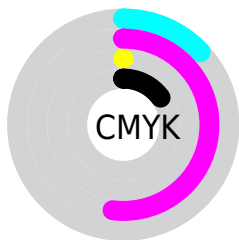
Distribution



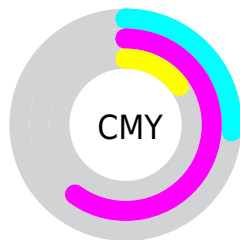
- Red (74%)
- Green (40%)
- Blue (85%)



- Red (74%)
- Yellow (40%)
- Blue (85%)



- Cyan (13%)
- Magenta (52%)
- Yellow (0%)
- Black (15%)



- Cyan (26%)
- Magenta (60%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9840, 25.3497, 67.8568 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 37.9840, 25.3497, 67.8568 by changing the saturation by 10% instead.

37.9840, 25.3497,
67.8568

37.9840, 25.3497,
67.8568

328.8334,
279.5750, 471.5728

26.1474, 16.3378,
49.3153

71.3877, 52.2240,
117.7995

17.0672, 9.7635,
34.5023

93.6855, 70.8551,
150.0378

10.3780, 5.2424,
22.9993

120.2011, 93.4615,
187.6788

5.7145, 2.3902,
14.3877

151.2998,
120.4274, 231.1410

2.7113, 0.8208,
8.2490

187.3471,
152.1373, 280.8430

1.0030, 0.0000,
4.1646

228.7082,

0.0000, 0.0000,

188.9757, 337.2032

1.7161

275.7485,
231.3268, 400.6403

■ 0.0000, 0.0000,
0.3717

■ 0.0000, 0.0000,
0.0000

■ 37.9840, 25.3497,
67.8568

■ 37.9840, 25.3497,
67.8568

■ 34.8126, 20.9273,
67.1708

■ 41.7611, 30.9091,
68.7312

■ 32.1998, 17.5512,
66.6568

■ 46.1804, 37.6805,
69.8053

■ 30.0958, 15.1217,
66.2988

■ 51.2790, 45.7364,
71.0915

■ 28.4398, 13.5179,
66.0765

■ 57.0901, 55.1423,
72.6008

■ 27.3928, 12.6897,
65.9718

■ 63.6446, 65.9595,
74.3432

■ 70.9716, 78.2453,
76.3284

■ 79.0984, 92.0538,
78.5654

■ 81.0513, 93.4367,
78.7294

■ 82.8036, 94.3400,
78.8114

Harmonies

Analogous

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



29.6795, 25.3497, 94.5809



37.9840, 25.3497, 67.8568



42.8778, 25.3497, 36.5368

Triad

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



37.9840, 25.3497, 67.8568



27.0399, 25.3497, 2.8736



12.1958, 25.3497, 45.3409

Complementary

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



37.9840, 25.3497, 67.8568



36.3648, 54.9169, 21.5163

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.



11.7971, 25.3497, 20.2565



37.9840, 25.3497, 67.8568



19.2575, 25.3497, 3.2950

Square

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



37.9840, 25.3497, 67.8568



35.6832, 25.3497, 5.6797



14.0853, 25.3497, 7.5924



15.3328, 25.3497, 77.3108

Rectangle

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



37.9840, 25.3497, 67.8568



42.9449, 25.3497, 20.8656



14.0853, 25.3497, 7.5924



11.7688, 25.3497, 35.6504

Sweetspot

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



37.9850, 25.3508, 67.8574



79.7652, 74.8072, 104.8429



26.1390, 24.1423, 68.2485



16.6962, 15.4017, 22.3428



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.



37.9850, 25.3508, 67.8574



50.1653, 29.7643, 97.7088



42.2200, 27.9204, 50.6005



12.6385, 12.4706, 15.6785



16.3164, 7.5639, 39.0532



1.0572, 0.4939, 2.3589

Inverse Universe

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



37.2666, 25.9390, 24.5160



49.5879, 31.0534, 25.9916



34.2639, 53.6414, 30.1106



12.5482, 12.4708, 13.5611



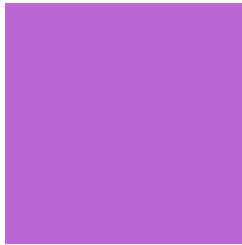
17.1858, 8.8107, 3.0167



1.0699, 0.5448, 0.3576

Previews

White Background



This preview shows how the XYZ color 37.9840, 25.3497, 67.8568 looks on a white background.

Color Contrast Check

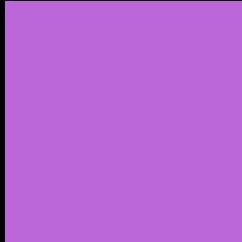
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.9840, 25.3497, 67.8568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

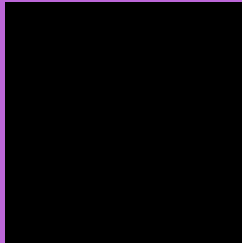
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.9840, 25.3497, 67.8568

Background



This preview shows how black text looks on a background with the XYZ color 37.9840, 25.3497, 67.8568.



This preview shows how white text looks on a background with the XYZ color 37.9840, 25.3497,

67.8568.

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

37.9840, 25.3497, 67.8568

Protanopia

29.0759, 25.9468, 89.8620

Deuteranopia

26.3060, 25.7235, 63.9002



Tritanopia

29.3458, 25.3389, 25.5345

Trichromacy



Original Color

37.9840, 25.3497, 67.8568



Protanomaly

30.2464, 24.3915, 80.9558



Deuteranomaly

29.2090, 24.5716, 65.4907



Tritanomaly

31.6786, 24.8384, 37.7750

Monochromacy



Original Color

37.9840, 25.3497, 67.8568



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

28.7578, 25.2750, 40.4086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9840, 25.3497, 67.8568 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(188, 103, 216)` looks like.

```
.text, #text, p{  
    color:rgb(188, 103, 216)  
}
```

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(188, 103, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 103, 216) }
```

Border

The CSS property to change the border of an element to XYZ 37.9840, 25.3497, 67.8568 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(188, 103, 216) }
```


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

```
.border{ border-color:rgb(188, 103, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 103, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 103, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 103, 216);  
box-shadow:4px 4px 4px 4px rgb(188, 103,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9840, 25.3497, 67.8568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 103, 216) }
```

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

```
.background{ background-color: rgb(188,  
103, 216) }
```

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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