

Converting Colors

XYZ(37.3019, 25.3063, 43.3127)

Have a look what the booklet for
XYZ(37.3019, 25.3063, 43.3127)
contains.

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Color

**XYZ(37.2934, 25.2399,
43.4636)**

Conversions

Conversions Part 1

Format	Color
Hex	CC65AF
RGB	204, 101, 175
RGB Percent	80%, 40%, 69%
CMY	0.2000, 0.6039, 0.3137
CMYK	0.00, 0.50, 0.14, 0.20
HSL	317°, 50%, 60%
HSV	317°, 50%, 80%
XYZ	37.2934, 25.2399, 43.4636
YIQ	140.2330, 37.6340, 44.8500

Conversions

Conversions Part 2

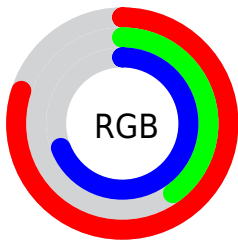
Format	Color
R_{YB}	204, 101, 175
Decimal	13395375
CIE _{Lab}	57.31, 50.06, -20.87
CIE _{LCh}	57, 54.235, 337.373
Yxy	25.2399, 0.3518, 0.2381
Android (android.graphics.Color)	4291585455 (0xFFCC65AF)
YUV	140.2330, 17.1401, 55.9237
Hunter-Lab	50.2393, 44.5844, -16.1261

Details

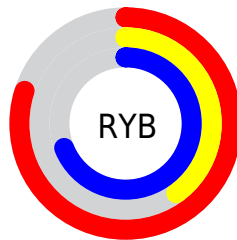
The XYZ color **37.2934, 25.2399, 43.4636** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **30.9902, 47.5650, 28.6688**, and the grayscale version is **24.9439, 26.2429, 28.5785**.

A 20% lighter version of the original color is **67.3851, 50.4722, 81.7918**, and **16.5620, 9.6412, 19.4004** is the 20% darker color. If you saturate the color by 10%, you get **35.0008, 21.5381, 39.9750**, and if you desaturate by 10%, it is **40.1031, 29.9368, 47.2435**.

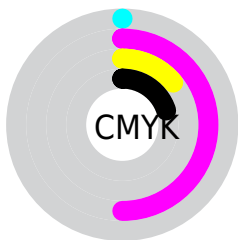
Distribution



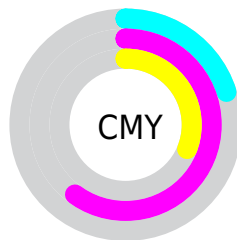
- Red (80%)
- Green (40%)
- Blue (69%)



- Red (80%)
- Yellow (40%)
- Blue (69%)



- Cyan (0%)
- Magenta (50%)
- Yellow (14%)
- Black (20%)





- Cyan (20%)
- Magenta (60%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2934, 25.2399, 43.4636 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 37.2934, 25.2399, 43.4636 by changing the saturation by 10% instead.

 37.2934, 25.2399,
43.4636


 37.2934, 25.2399,
43.4636

325.9126,
279.0306, 376.4919


 25.6095, 16.2559,
29.9149


 70.3347, 52.0461,
81.7038

 16.6628, 9.7054,
19.5225


 92.4228, 70.6372,
107.2325

 10.0882, 5.2041,
11.8678


 118.7096, 93.1993,
137.5915

 5.5202, 2.3675,
6.5323

 149.5606,
120.1169, 173.1996

 2.5935, 0.8091,
3.0974

185.3410,
151.7745, 214.4751

 0.9426, 0.0000,
1.1446

226.4162,

 0.0000, 0.0000,

188.5564, 261.8366

0.0000

273.1516,
230.8469, 315.7027

■ 37.2934, 25.2399,
43.4636

■ 37.2934, 25.2399,
43.4636

■ 35.0008, 21.5381,
39.9750

■ 40.1031, 29.9368,
47.2435

■ 33.1856, 18.7535,
36.7623

■ 43.4612, 35.6917,
51.3257

■ 31.8059, 16.8026,
33.8102

■ 47.3989, 42.5668,
55.7224

■ 30.8113, 15.5849,
31.1005

■ 51.9447, 50.6182,
60.4445

■ 30.1341, 14.9303,
28.7169

■ 57.1250, 59.8984,
65.5020

■ 62.9646, 70.4566,
70.9046

■ 69.4870, 82.3393,
76.6614

■ 73.7069, 89.5754,
81.7787

■ 74.4854, 89.8868,
85.8780

Harmonies

Analogous

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



32.2961, 25.2399, 66.2734



37.2934, 25.2399, 43.4636



38.4440, 25.2399, 23.1877

Triad

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



37.2934, 25.2399, 43.4636



22.4393, 25.2399, 5.2096



15.4511, 25.2399, 55.0344

Complementary

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



37.2934, 25.2399, 43.4636



30.9902, 47.5650, 28.6688

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.



13.7061, 25.2399, 32.2761



37.2934, 25.2399, 43.4636



17.2458, 25.2399, 7.8649

Square

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



37.2934, 25.2399, 43.4636



29.0631, 25.2399, 6.0536



14.2989, 25.2399, 15.9944



19.5441, 25.2399, 74.7768

Rectangle

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



37.2934, 25.2399, 43.4636



36.7164, 25.2399, 14.2144



14.2989, 25.2399, 15.9944



14.6072, 25.2399, 47.1675

Sweetspot

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



37.2942, 25.2411, 43.4641



82.3525, 77.3026, 96.3516



24.5265, 18.2939, 59.3656



17.2864, 15.9436, 20.2677



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.



37.2942, 25.2411, 43.4641



57.5278, 34.9825, 65.4810



33.2604, 23.6276, 22.2223



11.5476, 11.3478, 13.4182



19.0081, 9.4138, 18.2931



1.0120, 0.4982, 1.1091

Inverse Universe

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



37.2942, 25.2411, 43.4641



57.5278, 34.9825, 65.4810



35.1955, 49.2471, 50.8139



11.5476, 11.3478, 13.4182



19.0081, 9.4138, 18.2931



1.0120, 0.4982, 1.1091

Previews

White Background



This preview shows how the XYZ color 37.2934, 25.2399, 43.4636 looks on a white background.

Color Contrast Check

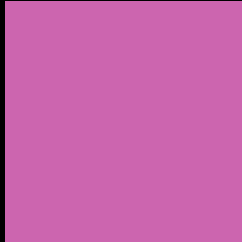
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.2934, 25.2399, 43.4636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

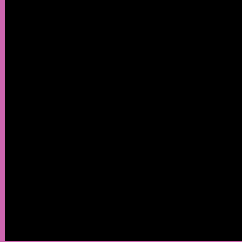
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.2934, 25.2399, 43.4636

Background



This preview shows how black text looks on a background with the XYZ color 37.2934, 25.2399, 43.4636.



This preview shows how white text looks on a background with the XYZ color 37.2934, 25.2399,

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

37.2934, 25.2399, 43.4636

Protanopia

26.6829, 25.6073, 58.7947

Deuteranopia

25.9787, 25.4268, 41.0747



Tritanopia

32.6450, 25.1965, 21.2320

Trichromacy



Original Color

37.2934, 25.2399, 43.4636



Protanomaly

28.9918, 24.3613, 53.0433



Deuteranomaly

29.1316, 24.6833, 41.7570



Tritanomaly

34.0958, 25.1397, 28.2547

Monochromacy



Original Color

37.2934, 25.2399, 43.4636



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

28.3149, 25.0081, 33.4717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2934, 25.2399, 43.4636 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(204, 101, 175)` looks like.

```
.text, #text, p{  
    color:rgb(204, 101, 175)  
}
```

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(204, 101, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 101, 175) }
```

Border

The CSS property to change the border of an element to XYZ 37.2934, 25.2399, 43.4636 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(204, 101, 175) }
```


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

```
.border{ border-color:rgb(204, 101, 175) }
```

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

Here you see how a box with a 4 pixel rgb(204, 101, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 101, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 101, 175);  
box-shadow:4px 4px 4px 4px rgb(204, 101,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2934, 25.2399, 43.4636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 101, 175) }
```

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

```
.background{ background-color: rgb(204,  
101, 175) }
```

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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