

Converting Colors

XYZ(46.6695, 37.4042, 84.6311)

Have a look what the booklet for
XYZ(46.6695, 37.4042, 84.6311)
contains.

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Color

**XYZ(46.6467, 37.3124,
84.8642)**

Conversions

Conversions Part 1

Format	Color
Hex	BE91ED
RGB	190, 145, 237
RGB Percent	75%, 57%, 93%
CMY	0.2549, 0.4314, 0.0706
CMYK	0.20, 0.39, 0.00, 0.07
HSL	269°, 72%, 75%
HSV	269°, 39%, 93%
XYZ	46.6467, 37.3124, 84.8642
YIQ	168.9430, -2.7120, 38.1520

Conversions

Conversions Part 2

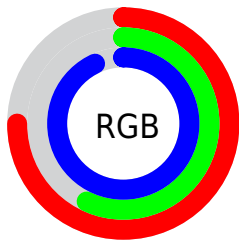
Format	Color
RYB	190, 145, 237
Decimal	12489197
CIELab	67.51, 34.43, -40.07
CIELCh	68, 52.835, 310.672
Yxy	37.3124, 0.2763, 0.2210
Android (android.graphics.Color)	4290679277 (0xFFBE91ED)
YUV	168.9430, 33.5521, 18.4670
Hunter-Lab	61.0839, 29.4147, -39.6132

Details

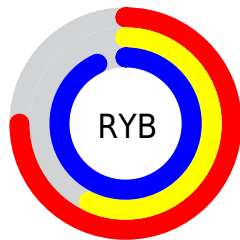
The XYZ color **46.6467, 37.3124, 84.8642** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **57.1342, 73.8200, 38.0270**, and the grayscale version is **37.5255, 39.4797, 42.9934**.

A 20% lighter version of the original color is **77.1848, 68.0233, 103.6695**, and **22.3349, 16.4925, 45.7223** is the 20% darker color. If you saturate the color by 10%, you get **40.4966, 29.3157, 83.6455**, and if you desaturate by 10%, it is **53.8061, 46.9523, 86.3482**.

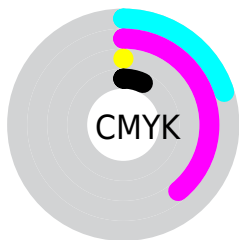
Distribution



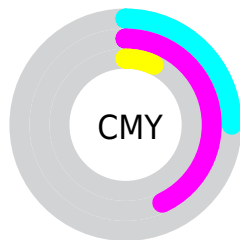
- Red (75%)
- Green (57%)
- Blue (93%)



- Red (75%)
- Yellow (57%)
- Blue (93%)



- Cyan (20%)
- Magenta (39%)
- Yellow (0%)
- Black (7%)





- Cyan (25%)
- Magenta (43%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6467, 37.3124, 84.8642 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 46.6467, 37.3124, 84.8642 by changing the saturation by 10% instead.

 46.6467, 37.3124,
84.8642


 46.6467, 37.3124,
84.8642


364.0750,
334.6611, 531.3115

 32.9632, 25.4495,
63.1797


 84.4080, 71.0530,
142.0559

 22.2574, 16.4122,
45.5446


 109.2165, 93.6994,
178.4002

 14.1638, 9.8163,
31.5406


138.4640,
120.7092, 220.4681

 8.3171, 5.2773,
20.7489

172.5160,
152.4666, 268.6782

 4.3520, 2.4109,
12.7511

211.7377,
189.3561, 323.4491

 1.9032, 0.8315,
7.1287

256.4946,

 0.5787, 0.0000,

231.7621, 385.1992

3.4631

307.1519,
280.0690, 454.3472

■ 0.0000, 0.0000,
1.3357

■ 0.0000, 0.0000,
0.0907

■ 46.6467, 37.3124,
84.8642

■ 46.6467, 37.3124,
84.8642

■ 40.4966, 29.3157,
83.6455

■ 53.8061, 46.9523,
86.3482

■ 35.2982, 22.8599,
82.6733

■ 62.0198, 58.3203,
88.1095

■ 30.9941, 17.8378,
81.9308

■ 71.3348, 71.5009,
90.1627

■ 27.5176, 14.1261,
81.3976

■ 81.7940, 86.5715,
92.5203

■ 24.7909, 11.5794,
81.0498

■ 90.6645, 98.0584,
94.2700

■ 22.7008, 9.9820,
80.8516

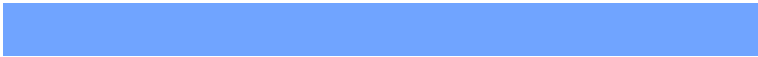
■ 92.2862, 98.8945,
94.3459

■ 22.4787, 9.8224,
80.8325

Harmonies

Analogous

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



38.4357, 37.3124, 102.3310



46.6467, 37.3124, 84.8642



52.3359, 37.3124, 57.2996

Triad

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



46.6467, 37.3124, 84.8642



40.8880, 37.3124, 11.3503



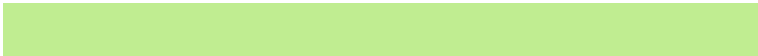
22.2252, 37.3124, 49.4851

Complementary

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



46.6467, 37.3124, 84.8642



57.1342, 73.8200, 38.0270

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.



22.6749, 37.3124, 27.5495



46.6467, 37.3124, 84.8642



32.6502, 37.3124, 10.6200

Square

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



46.6467, 37.3124, 84.8642



48.6760, 37.3124, 17.8938



26.2292, 37.3124, 15.2708



24.8897, 37.3124, 77.3017

Rectangle

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



46.6467, 37.3124, 84.8642



53.4836, 37.3124, 40.1042



26.2292, 37.3124, 15.2708



22.0288, 37.3124, 41.1540

Sweetspot

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



46.6480, 37.3139, 84.8650



80.5341, 79.1613, 105.6428



45.9313, 50.0694, 87.3649



16.9248, 16.5001, 22.5428



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.



46.6480, 37.3139, 84.8650



48.9248, 36.0291, 98.9834



59.8277, 44.1083, 85.4818



14.9327, 14.9106, 19.0132



12.4231, 5.4403, 44.1383



1.0863, 0.4843, 3.4711

Inverse Universe

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



54.5659, 42.0625, 55.1132



59.9317, 42.6326, 57.5201



47.3453, 68.7736, 37.5689



15.3866, 15.1825, 17.3214



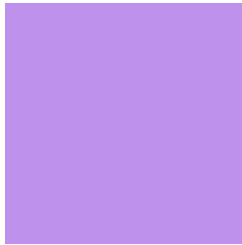
21.0211, 10.6111, 11.1786



1.6993, 0.8527, 1.1337

Previews

White Background



This preview shows how the XYZ color 46.6467, 37.3124, 84.8642 looks on a white background.

Color Contrast Check

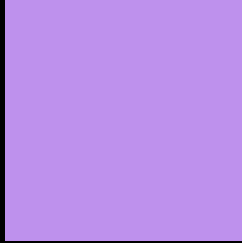
Large Text (above 18pt) WCAG AA × Fail

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 46.6467, 37.3124, 84.8642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

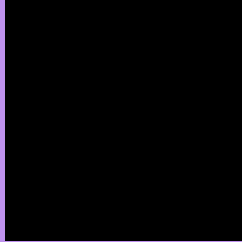
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.6467, 37.3124, 84.8642

Background



This preview shows how black text looks on a background with the XYZ color 46.6467, 37.3124, 84.8642.



This preview shows how white text looks on a background with the XYZ color 46.6467, 37.3124,

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

46.6467, 37.3124, 84.8642

Protanopia

40.0058, 37.7922, 96.4529

Deuteranopia

38.4526, 37.5665, 82.3152



Tritanopia

38.3392, 37.3203, 43.7109

Trichromacy



Original Color

46.6467, 37.3124, 84.8642



Protanomaly

41.8494, 37.3008, 92.1828



Deuteranomaly

40.8403, 36.9865, 82.8285



Tritanomaly

40.9344, 37.1186, 56.6369

Monochromacy



Original Color

46.6467, 37.3124, 84.8642



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

40.4399, 38.3838, 56.3163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6467, 37.3124, 84.8642 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(190, 145, 237)` looks like.

```
.text, #text, p{  
    color:rgb(190, 145, 237)  
}
```

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(190, 145, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 145, 237) }
```

Border

The CSS property to change the border of an element to XYZ 46.6467, 37.3124, 84.8642 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(190, 145, 237) }
```


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

```
.border{ border-color:rgb(190, 145, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 145, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 145, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 145, 237);  
box-shadow:4px 4px 4px 4px rgb(190, 145,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6467, 37.3124, 84.8642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 145, 237) }
```

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

```
.background{ background-color: rgb(190,  
145, 237) }
```

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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