

Converting Colors

XYZ(48.6942, 36.9936, 99.1817)

Have a look what the booklet for
XYZ(48.6942, 36.9936, 99.1817)
contains.

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Color

**XYZ(48.6633, 36.9233,
99.1698)**

Conversions

Conversions Part 1

Format	Color
Hex	BE8CFF
RGB	190, 140, 255
RGB Percent	75%, 55%, 100%
CMY	0.2549, 0.4510, 0.0000
CMYK	0.25, 0.45, 0.00, 0.00
HSL	266°, 100%, 77%
HSV	266°, 45%, 100%
XYZ	48.6633, 36.9233, 99.1698
YIQ	168.0600, -7.1150, 46.3650

Conversions

Conversions Part 2

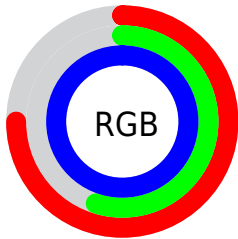
Format	Color
R _Y B	190, 140, 255
Decimal	12487935
CIE Lab	67.22, 41.29, -50.38
CIE LCh	67, 65.144, 309.337
Yxy	36.9233, 0.2634, 0.1998
Android (android.graphics.Color)	4290678015 (0xFFBE8CFF)
YUV	168.0600, 42.8614, 19.2414
Hunter-Lab	60.7645, 36.6138, -54.2281

Details

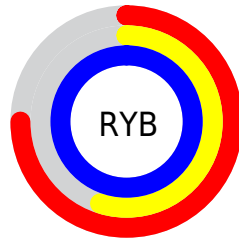
The XYZ color **48.6633, 36.9233, 99.1698** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **65.6707, 86.3927, 38.0265**, and the grayscale version is **37.0489, 38.9783, 42.4474**.

A 20% lighter version of the original color is **76.0532, 65.7600, 103.2923**, and **23.5969, 16.2903, 55.3267** is the 20% darker color. If you saturate the color by 10%, you get **41.9363, 28.5509, 97.9083**, and if you desaturate by 10%, it is **56.6121, 47.2084, 100.7361**.

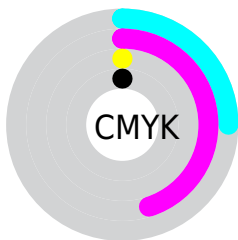
Distribution



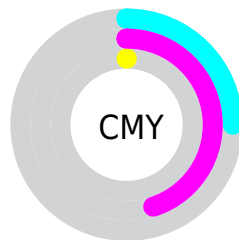
- Red (75%)
- Green (55%)
- Blue (100%)



- Red (75%)
- Yellow (55%)
- Blue (100%)



- Cyan (25%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (25%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6633, 36.9233, 99.1698 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 48.6633, 36.9233, 99.1698 by changing the saturation by 10% instead.


 48.6633, 36.9233,
99.1698

 48.6633, 36.9233,
99.1698


371.9543,
332.9783, 578.7516


 34.5659, 25.1481,
74.9944


 87.3949, 70.4548,
162.0577

 23.4936, 16.1874,
55.1066

 112.7598, 92.9799,
201.6073

 15.0811, 9.6569,
39.0879

 142.6113,
119.8571, 247.1187

 8.9630, 5.1721,
26.5197

177.3147,
151.4708, 299.0105

 4.7740, 2.3486,
16.9836

217.2353,
188.2054, 357.7011

 2.1487, 0.7992,
10.0610

262.7385,

 0.7155, 0.0000,

230.4452, 423.6091

5.3333

314.1897,
278.5747, 497.1531

■ 0.0000, 0.0000,
2.3820

■ 0.0000, 0.0000,
0.7766

■ 48.6633, 36.9233,
99.1698

■ 48.6633, 36.9233,
99.1698

■ 41.9363, 28.5509,
97.9083

■ 56.6121, 47.2084,
100.7361

■ 36.3564, 21.9609,
96.9304

■ 65.8434, 59.5165,
102.6253

■ 31.8460, 17.0124,
96.2130

■ 76.4182, 73.9543,
104.8547

■ 28.3141, 13.5404,
95.7290

■ 88.3920, 90.6195,
107.4403

■ 25.6507, 11.3426,
95.4451

95.0500, 100.0000,
108.9000

■ 24.5895, 10.5913,
95.3560

Harmonies

Analogous

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



38.2888, 36.9233, 122.0605



48.6633, 36.9233, 99.1698



56.1973, 36.9233, 62.7878

Triad

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



48.6633, 36.9233, 99.1698



42.2833, 36.9233, 7.6503



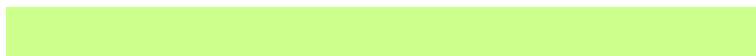
19.4064, 36.9233, 49.7576

Complementary

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



48.6633, 36.9233, 99.1698



65.6707, 86.3927, 38.0265

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.



20.0719, 36.9233, 23.8103



48.6633, 36.9233, 99.1698



32.0830, 36.9233, 6.7617

Square

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



48.6633, 36.9233, 99.1698



52.0575, 36.9233, 14.5236



24.3161, 36.9233, 10.9819



22.2860, 36.9233, 85.8620

Rectangle

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



48.6633, 36.9233, 99.1698



57.8959, 36.9233, 40.8405



24.3161, 36.9233, 10.9819



19.2371, 36.9233, 39.5726

Sweetspot

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



48.6646, 36.9247, 99.1700



77.6621, 75.6716, 105.1206



50.7373, 56.5388, 102.8467



16.1025, 15.4792, 22.3890



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.



48.6646, 36.9247, 99.1700



42.6168, 29.3798, 98.0325



65.9041, 45.8120, 99.9768



17.7522, 17.7640, 22.7431



13.0124, 5.6186, 49.8333



1.3895, 0.6102, 4.8578

Inverse Universe

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



61.6380, 44.4249, 63.0838



57.5012, 37.9986, 56.0099



52.6469, 79.6787, 37.4169



18.4395, 18.1591, 20.9314



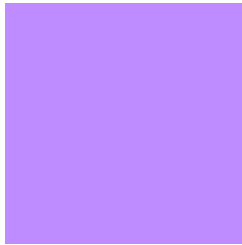
24.2607, 12.1936, 15.2889



2.4171, 1.2092, 1.7776

Previews

White Background



This preview shows how the XYZ color 48.6633, 36.9233, 99.1698 looks on a white background.

Color Contrast Check

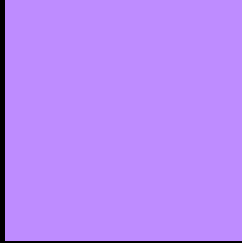
Large Text (above 18pt) WCAG AA × Fail

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 48.6633, 36.9233, 99.1698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

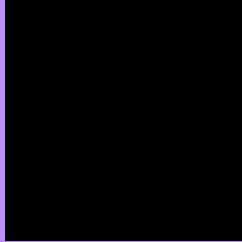
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.6633, 36.9233, 99.1698

Background



This preview shows how black text looks on a background with the XYZ color 48.6633, 36.9233, 99.1698.



This preview shows how white text looks on a background with the XYZ color 48.6633, 36.9233,

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

48.6633, 36.9233, 99.1698

Protanopia

39.6970, 37.2989, 99.7149

Deuteranopia

38.2377, 37.1615, 95.6000



Tritanopia

37.4280, 36.8505, 43.6683

Trichromacy



Original Color

48.6633, 36.9233, 99.1698

Protanomaly

42.2037, 36.5818, 99.4444

Deuteranomaly

41.1461, 36.5820, 96.9879

Tritanomaly

40.7113, 36.4240, 60.7619

Monochromacy



Original Color

48.6633, 36.9233, 99.1698

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

40.5567, 37.8540, 59.8126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6633, 36.9233, 99.1698 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, 140, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 140, 255)  
}
```

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, 140, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 140, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.6633, 36.9233, 99.1698 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, 140, 255) }
```


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

```
.border{ border-color:rgb(190, 140, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 140, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 140, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 140, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 140,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6633, 36.9233, 99.1698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 140, 255) }
```

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

```
.background{ background-color: rgb(190,  
140, 255) }
```

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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