

Converting Colors

XYZ(61.9526, 37.4603,
163.0980)

Have a look what the booklet for
XYZ(61.9526, 37.4603, 163.0980)
contains.

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Color

**XYZ(49.6343, 32.6033,
98.2848)**

Conversions

Conversions Part 1

Format	Color
Hex	CE73FF
RGB	206, 115, 255
RGB Percent	81%, 45%, 100%
CMY	0.1921, 0.5490, 0.0000
CMYK	0.19, 0.55, 0.00, 0.00
HSL	279°, 100%, 73%
HSV	279°, 55%, 100%
XYZ	49.6343, 32.6033, 98.2848
YIQ	158.1690, 9.2960, 62.8320

Conversions

Conversions Part 2

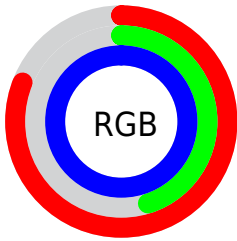
Format	Color
R _Y B	206, 115, 255
Decimal	13530111
CIE Lab	63.84, 58.51, -55.64
CIE LCh	64, 80.739, 316.442
Yxy	32.6033, 0.2749, 0.1806
Android (android.graphics.Color)	4291720191 (0xFFCE73FF)
YUV	158.1690, 47.7377, 41.9478
Hunter-Lab	57.0993, 55.2396, -62.0861

Details

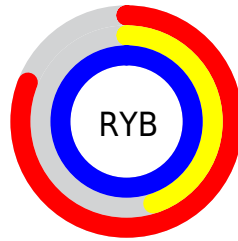
The XYZ color **49.6343, 32.6033, 98.2848** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **54.1649, 80.6506, 28.9332**, and the grayscale version is **32.3645, 34.0500, 37.0805**.

A 20% lighter version of the original color is **73.6647, 57.2295, 101.7716**, and **24.0745, 13.7106, 54.8036** is the 20% darker color. If you saturate the color by 10%, you get **44.7108, 26.3297, 97.3334**, and if you desaturate by 10%, it is **55.5049, 40.5599, 99.5112**.

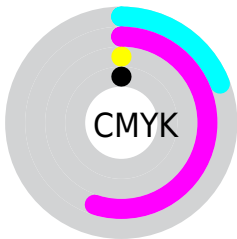
Distribution



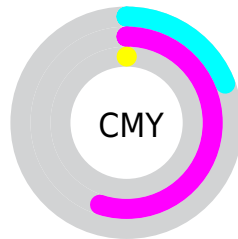
- Red (81%)
- Green (45%)
- Blue (100%)



- Red (81%)
- Yellow (45%)
- Blue (100%)



- Cyan (19%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)





- Cyan (19%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6343, 32.6033, 98.2848 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 49.6343, 32.6033, 98.2848 by changing the saturation by 10% instead.


 49.6343, 32.6033,
98.2848


 49.6343, 32.6033,
98.2848


375.7098,
313.8584, 575.8791


 35.3395, 21.8227,
74.2600


 88.8279, 63.7557,
160.8294

 24.0923, 13.7267,
54.5088


 114.4574, 84.8963,
200.1862

 15.5272, 7.9308,
38.6126


 144.5958,
110.2590, 245.4908

 9.2789, 4.0507,
26.1530

179.6086,
140.2283, 297.1617

 4.9821, 1.7020,
16.7113

219.8610,
175.1884, 355.6174

 2.2714, 0.4249,
9.8691

265.7184,

 0.7800, 0.0000,

215.5239, 421.2766

5.2078

317.5462,
261.6191, 494.5576

■ 0.0000, 0.0000,
2.3088

■ 0.0000, 0.0000,
0.7362

■ 49.6343, 32.6033,
98.2848

■ 49.6343, 32.6033,
98.2848

■ 44.7108, 26.3297,
97.3334

■ 55.5049, 40.5599,
99.5112

■ 40.6603, 21.5980,
96.6335

■ 62.3816, 50.3176,
101.0321

■ 37.4025, 18.2496,
96.1589

■ 70.3224, 61.9880,
102.8662

■ 34.8372, 16.0878,
95.8769

■ 79.3796, 75.6723,
105.0302

■ 33.7239, 15.3002,
95.7835

■ 89.6016, 91.4647,
107.5397

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



37.5812, 32.6033, 135.4337



49.6343, 32.6033, 98.2848



57.3956, 32.6033, 52.2487

Triad

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



49.6343, 32.6033, 98.2848



36.3879, 32.6033, 2.8186



14.4234, 32.6033, 56.2781

Complementary

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



49.6343, 32.6033, 98.2848



54.1649, 80.6506, 28.9332

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.



14.2534, 32.6033, 22.7772



49.6343, 32.6033, 98.2848



25.2157, 32.6033, 2.9716

Square

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



49.6343, 32.6033, 98.2848



48.5790, 32.6033, 6.7469



17.7174, 32.6033, 7.5089



18.2576, 32.6033, 102.7345

Rectangle

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



49.6343, 32.6033, 98.2848



58.1074, 32.6033, 28.9418



17.7174, 32.6033, 7.5089



13.9752, 32.6033, 42.9796

Sweetspot

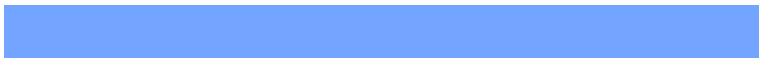
The Sweet Spot groups the original color and five complimentary colors.



49.6355, 32.6046, 98.2850



78.3274, 74.0660, 104.7756



38.3967, 37.4170, 99.8062



16.3518, 15.2241, 22.3267



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.



49.6355, 32.6046, 98.2850



44.2240, 25.7366, 97.2445



62.2226, 39.4630, 82.1800



18.1395, 17.9636, 22.7612



17.7891, 8.0811, 50.0568



1.8503, 0.8478, 4.8794

Inverse Universe

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



54.0722, 36.2028, 39.2606



49.7815, 30.0909, 30.2172



47.2750, 76.9428, 35.6536



18.2719, 18.0921, 20.0488



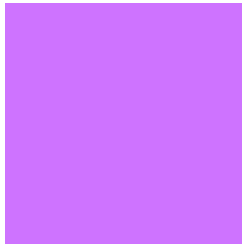
22.5600, 11.5133, 6.3334



2.2460, 1.1408, 0.8767

Previews

White Background



This preview shows how the XYZ color 49.6343, 32.6033, 98.2848 looks on a white background.

Color Contrast Check

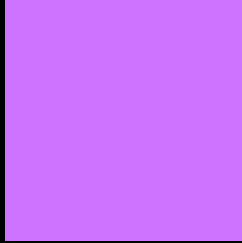
Large Text (above 18pt) WCAG AA × Fail

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 49.6343, 32.6033, 98.2848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

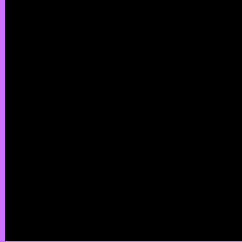
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6343, 32.6033, 98.2848

Background



This preview shows how black text looks on a background with the XYZ color 49.6343, 32.6033, 98.2848.



This preview shows how white text looks on a background with the XYZ color 49.6343, 32.6033,

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

49.6343, 32.6033, 98.2848

Protanopia

35.9603, 33.1212, 99.1055

Deuteranopia

33.9893, 32.9829, 92.5706



Tritanopia

36.5757, 32.5602, 34.0628

Trichromacy



Original Color

49.6343, 32.6033, 98.2848



Protanomaly

39.1367, 31.7962, 98.6823



Deuteranomaly

37.4486, 31.2337, 94.4974



Tritanomaly

40.2015, 31.9124, 52.1850

Monochromacy



Original Color

49.6343, 32.6033, 98.2848



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

36.9778, 32.3102, 54.7396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6343, 32.6033, 98.2848 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(206, 115, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 115, 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(206, 115, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 115, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.6343, 32.6033, 98.2848 is called "border". The border property can be set on classes, ids or directly on the HTML element.

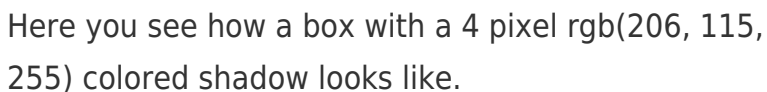
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(206, 115, 255) }
```


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

```
.border{ border-color:rgb(206, 115, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(206, 115, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 115, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 115, 255); box-shadow:4px 4px 4px 4px rgb(206, 115, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6343, 32.6033, 98.2848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 115, 255) }
```

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

```
.background{ background-color: rgb(206,  
115, 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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