

Converting Colors

XYZ(48.4713, 32.8465, 98.3930)

Have a look what the booklet for
XYZ(48.4713, 32.8465, 98.3930)
contains.

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Color

**XYZ(48.5859, 32.9323,
98.4036)**

Conversions

Conversions Part 1

Format	Color
Hex	C878FF
RGB	200, 120, 255
RGB Percent	78%, 47%, 100%
CMY	0.2157, 0.5294, 0.0000
CMYK	0.22, 0.53, 0.00, 0.00
HSL	276°, 100%, 74%
HSV	276°, 53%, 100%
XYZ	48.5859, 32.9323, 98.4036
YIQ	159.3100, 4.3450, 58.9450

Conversions

Conversions Part 2

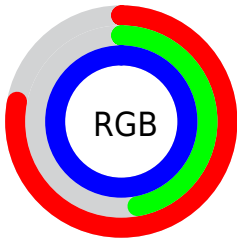
Format	Color
R _Y B	200, 120, 255
Decimal	13138175
CIE Lab	64.11, 54.50, -55.25
CIE LCh	64, 77.609, 314.608
Yxy	32.9323, 0.2700, 0.1830
Android (android.graphics.Color)	4291328255 (0xFFC878FF)
YUV	159.3100, 47.1752, 35.6851
Hunter-Lab	57.3867, 50.6987, -61.4967

Details

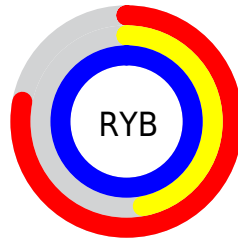
The XYZ color **48.5859, 32.9323, 98.4036** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **56.8297, 81.9902, 30.6009**, and the grayscale version is **32.8871, 34.5997, 37.6791**.

A 20% lighter version of the original color is **74.6200, 59.1399, 102.0900**, and **23.5279, 13.9312, 54.8750** is the 20% darker color. If you saturate the color by 10%, you get **43.2366, 26.2128, 97.3885**, and if you desaturate by 10%, it is **54.9425, 41.3842, 99.6999**.

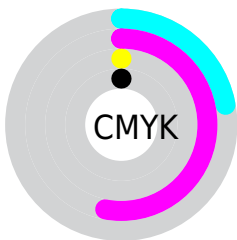
Distribution



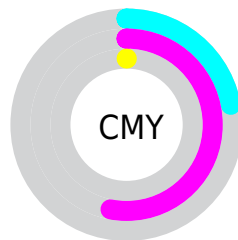
- Red (78%)
- Green (47%)
- Blue (100%)



- Red (78%)
- Yellow (47%)
- Blue (100%)



- Cyan (22%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)





- Cyan (22%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5859, 32.9323, 98.4036 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 48.5859, 32.9323, 98.4036 by changing the saturation by 10% instead.


 48.5859, 32.9323,
98.4036

 48.5859, 32.9323,
98.4036

371.6539,
315.3446, 576.2651


 34.5043, 22.0746,
74.3586


 87.2805, 64.2698,
160.9943

 23.4460, 13.9117,
54.5890


 112.6243, 85.5184,
200.3771

 15.0457, 8.0593,
38.6764


 142.4528,
110.9994, 245.7095

 8.9380, 4.1329,
26.2022

177.1313,
141.0973, 297.4101

 4.7575, 1.7482,
16.7478

217.0254,
176.1963, 355.8974

 2.1390, 0.4546,
9.8948

262.5003,

 0.7103, 0.0000,

216.6809, 421.5900

5.2246

313.9213,
262.9355, 494.9064

■ 0.0000, 0.0000,
2.3186

■ 0.0000, 0.0000,
0.7416

■ 48.5859, 32.9323,
98.4036

■ 48.5859, 32.9323,
98.4036

■ 43.2366, 26.2128,
97.3885

■ 54.9425, 41.3842,
99.6999

■ 38.8209, 21.0873,
96.6319

■ 62.3655, 51.6848,
101.2969

■ 35.2595, 17.4016,
96.1082

■ 70.9132, 63.9444,
103.2127

■ 32.4553, 14.9674,
95.7862

■ 80.6384, 78.2635,
105.4640

■ 30.8336, 13.8102,
95.6483

■ 91.5903, 94.7353,
108.0662

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.



36.9317, 32.9323, 131.9224



48.5859, 32.9323, 98.4036



56.3790, 32.9323, 54.4138

Triad

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



48.5859, 32.9323, 98.4036



37.2442, 32.9323, 3.4502



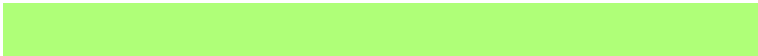
14.9972, 32.9323, 53.3652

Complementary

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



48.5859, 32.9323, 98.4036



56.8297, 81.9902, 30.6009

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.



15.0430, 32.9323, 22.0874



48.5859, 32.9323, 98.4036



26.2741, 32.9323, 3.4054

Square

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



48.5859, 32.9323, 98.4036



48.8603, 32.9323, 7.9559



18.6956, 32.9323, 7.7434



18.5511, 32.9323, 97.2612

Rectangle

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



48.5859, 32.9323, 98.4036



57.4049, 32.9323, 31.2175



18.6956, 32.9323, 7.7434



14.6243, 32.9323, 40.9363

Sweetspot

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



48.5871, 32.9336, 98.4037



77.5342, 73.6571, 104.7385



41.3710, 42.3629, 100.6041



16.1623, 15.1264, 22.3178



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.



48.5871, 32.9336, 98.4037



42.7254, 25.5963, 97.2964



64.2481, 41.2103, 89.9574



18.0351, 17.9098, 22.7563



16.2848, 7.3056, 49.9864



1.7095, 0.7752, 4.8728

Inverse Universe

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



55.6948, 37.7890, 44.9164



51.2462, 31.3582, 35.8293



47.6202, 77.1589, 33.9462



18.3161, 18.1098, 20.2818



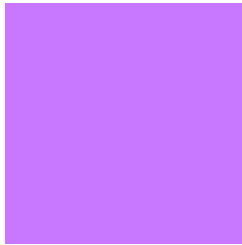
22.9209, 11.6576, 8.2338



2.2843, 1.1561, 1.0784

Previews

White Background



This preview shows how the XYZ color 48.5859, 32.9323, 98.4036 looks on a white background.

Color Contrast Check

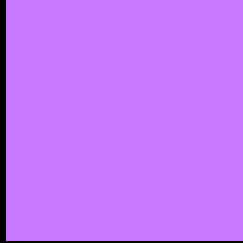
Large Text (above 18pt) WCAG AA × Fail

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 48.5859, 32.9323, 98.4036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

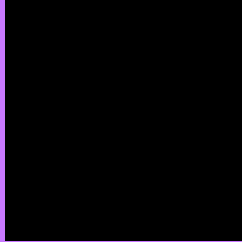
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.5859, 32.9323, 98.4036

Background



This preview shows how black text looks on a background with the XYZ color 48.5859, 32.9323, 98.4036.

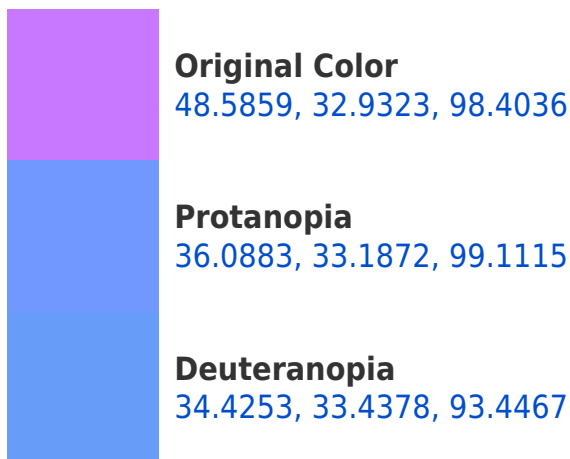


This preview shows how white text looks on a background with the XYZ color 48.5859, 32.9323,

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





Tritanopia

35.8933, 32.8414, 35.8997

Trichromacy



Original Color

48.5859, 32.9323, 98.4036



Protanomaly

39.1051, 31.9959, 98.7225



Deuteranomaly

37.7163, 32.0132, 95.4581



Tritanomaly

39.5538, 32.3612, 54.0308

Monochromacy



Original Color

48.5859, 32.9323, 98.4036



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

37.3186, 33.1445, 55.4696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5859, 32.9323, 98.4036 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(200, 120, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 120, 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(200, 120, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 120, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.5859, 32.9323, 98.4036 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(200, 120, 255) }
```


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

```
.border{ border-color:rgb(200, 120, 255) }
```

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

Here you see how a box with a 4 pixel rgb(200, 120, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 120, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 120, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 120,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5859, 32.9323, 98.4036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 120, 255) }
```

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

```
.background{ background-color: rgb(200,  
120, 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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