

Converting Colors

XYZ(67.1370, 39.5264,
195.5662)

Have a look what the booklet for
XYZ(67.1370, 39.5264, 195.5662)
contains.

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Color

**XYZ(48.5379, 32.0380,
98.2335)**

Conversions

Conversions Part 1

Format	Color
Hex	CA73FF
RGB	202, 115, 255
RGB Percent	79%, 45%, 100%
CMY	0.2078, 0.5490, 0.0000
CMYK	0.21, 0.55, 0.00, 0.00
HSL	277°, 100%, 73%
HSV	277°, 55%, 100%
XYZ	48.5379, 32.0380, 98.2335
YIQ	156.9730, 6.9120, 61.9840

Conversions

Conversions Part 2

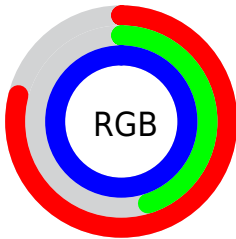
Format	Color
R _Y B	202, 115, 255
Decimal	13267967
CIE Lab	63.37, 57.52, -56.40
CIE LCh	63, 80.562, 315.564
Yxy	32.0380, 0.2715, 0.1792
Android (android.graphics.Color)	4291458047 (0xFFCA73FF)
YUV	156.9730, 48.3273, 39.4887
Hunter-Lab	56.6021, 54.0150, -63.2769

Details

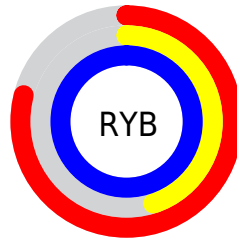
The XYZ color **48.5379, 32.0380, 98.2335** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **55.0032, 81.0828, 28.9723**, and the grayscale version is **31.8243, 33.4817, 36.4615**.

A 20% lighter version of the original color is **73.6647, 57.2295, 101.7716**, and **23.4238, 13.3884, 54.1730** is the 20% darker color. If you saturate the color by 10%, you get **43.4913, 25.7010, 97.2763**, and if you desaturate by 10%, it is **54.5542, 40.0697, 99.4666**.

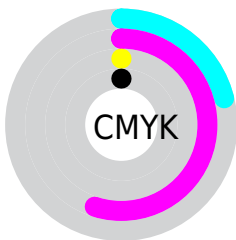
Distribution



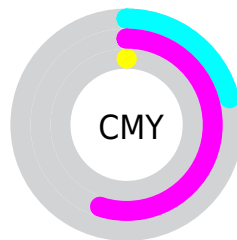
- Red (79%)
- Green (45%)
- Blue (100%)



- Red (79%)
- Yellow (45%)
- Blue (100%)



- Cyan (21%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)





- Cyan (21%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5379, 32.0380, 98.2335 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 48.5379, 32.0380, 98.2335 by changing the saturation by 10% instead.


 48.5379, 32.0380,
98.2335

 48.5379, 32.0380,
98.2335


371.4675,
311.2923, 575.7124


 34.4661, 21.3905,
74.2174


 87.2096, 62.8707,
160.7581

 23.4165, 13.4098,
54.4742

 112.5402, 83.8246,
200.1038

 15.0237, 7.7113,
38.5851


 142.3544,
108.9829, 245.3964

 8.9224, 3.9108,
26.1318

177.0176,
138.7298, 297.0544

 4.7473, 1.6238,
16.6956

216.8952,
173.4498, 355.4965

 2.1330, 0.3736,
9.8580

262.3525,

 0.7071, 0.0000,

213.5273, 421.1412

5.2006

313.7548,
259.3467, 494.4069

■ 0.0000, 0.0000,
2.3046

■ 0.0000, 0.0000,
0.7338

■ 48.5379, 32.0380,
98.2335

■ 48.5379, 32.0380,
98.2335

■ 43.4913, 25.7010,
97.2763

■ 54.5542, 40.0697,
99.4666

■ 39.3399, 20.9173,
96.5717

■ 61.6000, 49.9145,
100.9955

■ 36.0025, 17.5278,
96.0934

■ 69.7338, 61.6843,
102.8386

■ 33.3782, 15.3357,
95.8086

■ 79.0084, 75.4807,
105.0128

■ 32.2427, 14.5366,
95.7142

■ 89.4731, 91.3981,
107.5336

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.



36.5952, 32.0380, 134.2481



48.5379, 32.0380, 98.2335



56.3945, 32.0380, 52.6067

Triad

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



48.5379, 32.0380, 98.2335



36.1349, 32.0380, 2.7718



14.0740, 32.0380, 54.1618

Complementary

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



48.5379, 32.0380, 98.2335



55.0032, 81.0828, 28.9723

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.



14.0086, 32.0380, 21.6692



48.5379, 32.0380, 98.2335



25.0365, 32.0380, 2.8302

Square

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



48.5379, 32.0380, 98.2335



48.1306, 32.0380, 6.7946



17.5293, 32.0380, 7.0867



17.7373, 32.0380, 99.9531

Rectangle

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



48.5379, 32.0380, 98.2335



57.2705, 32.0380, 29.2454



17.5293, 32.0380, 7.0867



13.6671, 32.0380, 41.2043

Sweetspot

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



48.5391, 32.0392, 98.2336



77.9314, 73.8619, 104.7571



39.2471, 39.1179, 100.0897



16.2571, 15.1753, 22.3222



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.



48.5391, 32.0392, 98.2336



42.9925, 25.1017, 97.1869



62.9020, 39.7346, 85.7580



18.0874, 17.9368, 22.7588



17.0188, 7.6840, 50.0208



1.7786, 0.8108, 4.8760

Inverse Universe

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



54.4390, 36.3494, 41.1929



50.1622, 30.2432, 32.2219



46.9503, 76.8129, 33.9443



18.2938, 18.1008, 20.1645



22.7316, 11.5819, 7.2369



2.2644, 1.1481, 0.9737

Previews

White Background



This preview shows how the XYZ color 48.5379, 32.0380, 98.2335 looks on a white background.

Color Contrast Check

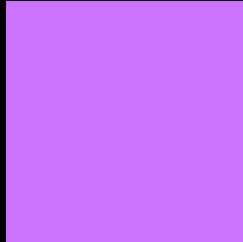
Large Text (above 18pt) WCAG AA × Fail

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 48.5379, 32.0380, 98.2335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

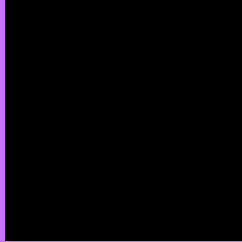
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.5379, 32.0380, 98.2335

Background



This preview shows how black text looks on a background with the XYZ color 48.5379, 32.0380, 98.2335.



This preview shows how white text looks on a background with the XYZ color 48.5379, 32.0380,

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

48.5379, 32.0380, 98.2335

Protanopia

35.2630, 32.2839, 98.9806

Deuteranopia

33.3811, 32.4233, 92.4946



Tritanopia

35.5902, 32.0521, 34.0166

Trichromacy



Original Color

48.5379, 32.0380, 98.2335

Protanomaly

38.3234, 30.9510, 98.5620

Deuteranomaly

36.7867, 30.8925, 94.4665

Tritanomaly

39.1748, 31.3831, 52.1369

Monochromacy



Original Color

48.5379, 32.0380, 98.2335

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

36.5322, 32.0805, 54.7188

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5379, 32.0380, 98.2335 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(202, 115, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 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(202, 115, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 115, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.5379, 32.0380, 98.2335 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(202, 115, 255) }
```


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

```
.border{ border-color:rgb(202, 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(202, 115, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 115, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 115, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 115,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5379, 32.0380, 98.2335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 115, 255) }
```

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

```
.background{ background-color: rgb(202,  
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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