

Converting Colors

XYZ(66.0622, 41.0232,
183.8144)

Have a look what the booklet for
XYZ(66.0622, 41.0232, 183.8144)
contains.

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Color

**XYZ(49.7407, 34.4438,
98.6344)**

Conversions

Conversions Part 1

Format	Color
Hex	CA7DFF
RGB	202, 125, 255
RGB Percent	79%, 49%, 100%
CMY	0.2078, 0.5098, 0.0000
CMYK	0.21, 0.51, 0.00, 0.00
HSL	276°, 100%, 75%
HSV	276°, 51%, 100%
XYZ	49.7407, 34.4438, 98.6344
YIQ	162.8430, 4.1620, 56.7540

Conversions

Conversions Part 2

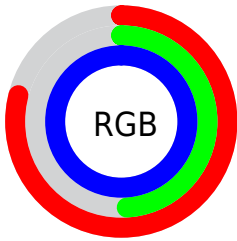
Format	Color
R _Y B	202, 125, 255
Decimal	13270527
CIE Lab	65.31, 52.44, -53.32
CIE LCh	65, 74.787, 314.522
Yxy	34.4438, 0.2721, 0.1884
Android (android.graphics.Color)	4291460607 (0xFFCA7DFF)
YUV	162.8430, 45.4334, 34.3407
Hunter-Lab	58.6888, 48.5791, -58.5625

Details

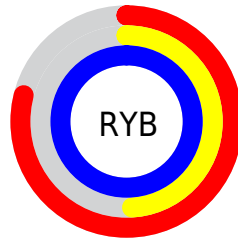
The XYZ color **49.7407, 34.4438, 98.6344** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **57.8223, 82.4659, 32.2733**, and the grayscale version is **34.5312, 36.3296, 39.5629**.

A 20% lighter version of the original color is **75.6113, 61.1225, 102.4204**, and **24.1875, 14.7317, 54.9948** is the 20% darker color. If you saturate the color by 10%, you get **44.1985, 27.3946, 97.5659**, and if you desaturate by 10%, it is **56.3034, 43.2502, 99.9884**.

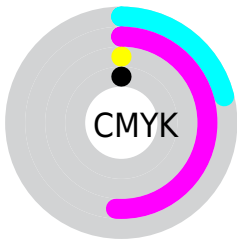
Distribution



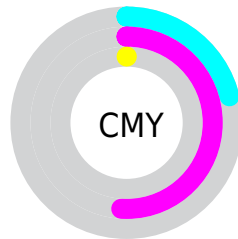
- Red (79%)
- Green (49%)
- Blue (100%)



- Red (79%)
- Yellow (49%)
- Blue (100%)



- Cyan (21%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)





- Cyan (21%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7407, 34.4438, 98.6344 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 49.7407, 34.4438, 98.6344 by changing the saturation by 10% instead.


 49.7407, 34.4438,
98.6344


 49.7407, 34.4438,
98.6344

376.1198,
322.1064, 577.0147


 35.4244, 23.2347,
74.5500


 88.9847, 66.6232,
161.3147

 24.1580, 14.7669,
54.7448


 114.6431, 88.3624,
200.7478

 15.5762, 8.6560,
38.8002


 144.8128,
114.3804, 246.1342

 9.3137, 4.5175,
26.2977

179.8593,
145.0616, 297.8924

 5.0051, 1.9670,
16.8187

220.1479,
180.7904, 356.4411

 2.2851, 0.5882,
9.9448

266.0439,

 0.7870, 0.0000,

221.9512, 422.1986

5.2572

317.9128,
268.9284, 495.5837

■ 0.0000, 0.0000,
2.3376

■ 0.0000, 0.0000,
0.7522

■ 49.7407, 34.4438,
98.6344

■ 49.7407, 34.4438,
98.6344

■ 44.1985, 27.3946,
97.5659

■ 56.3034, 43.2502,
99.9884

■ 39.6045, 21.9673,
96.7605

■ 63.9442, 53.9275,
101.6466

■ 35.8819, 18.0125,
96.1933

■ 72.7208, 66.5843,
103.6270

■ 32.9375, 15.3498,
95.8345

■ 82.6850, 81.3195,
105.9460

■ 30.8200, 13.8032,
95.6476

93.8855, 98.2252,
108.6188

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.



38.2791, 34.4438, 130.7733



49.7407, 34.4438, 98.6344



57.3726, 34.4438, 55.9086

Triad

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



49.7407, 34.4438, 98.6344



38.6549, 34.4438, 4.3023



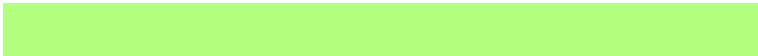
16.3526, 34.4438, 54.6565

Complementary

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



49.7407, 34.4438, 98.6344



57.8223, 82.4659, 32.2733

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.



16.4096, 34.4438, 23.6585



49.7407, 34.4438, 98.6344



27.7589, 34.4438, 4.2414

Square

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



49.7407, 34.4438, 98.6344



50.0680, 34.4438, 9.1980



20.1321, 34.4438, 8.9235



19.9539, 34.4438, 97.2921

Rectangle

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



49.7407, 34.4438, 98.6344



58.3885, 34.4438, 32.9674



20.1321, 34.4438, 8.9235



15.9751, 34.4438, 42.4376

Sweetspot

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



49.7419, 34.4451, 98.6346



78.5323, 75.1384, 104.9718



42.6620, 43.8882, 100.8305



16.3600, 15.4187, 22.3638



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.



49.7419, 34.4451, 98.6346



44.1878, 27.3815, 97.5639



64.9286, 42.4700, 90.4964



18.0346, 17.9096, 22.7563



16.2777, 7.3019, 49.9861



1.7088, 0.7748, 4.8728

Inverse Universe

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



56.6101, 39.1426, 46.6917



52.3434, 32.9087, 38.1803



48.6504, 77.6532, 35.6562



18.3163, 18.1098, 20.2829



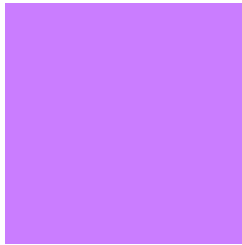
22.9228, 11.6584, 8.2442



2.2845, 1.1562, 1.0794

Previews

White Background



This preview shows how the XYZ color 49.7407, 34.4438, 98.6344 looks on a white background.

Color Contrast Check

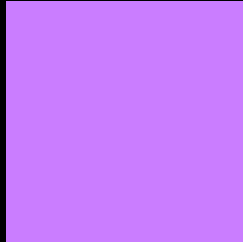
Large Text (above 18pt) WCAG AA × Fail

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 49.7407, 34.4438, 98.6344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

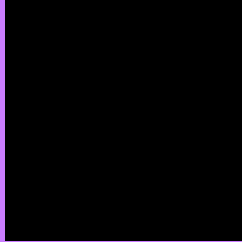
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.7407, 34.4438, 98.6344

Background



This preview shows how black text looks on a background with the XYZ color 49.7407, 34.4438, 98.6344.



This preview shows how white text looks on a background with the XYZ color 49.7407, 34.4438,

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

49.7407, 34.4438, 98.6344

Protanopia

37.5462, 34.9189, 99.3689

Deuteranopia

35.8970, 34.9531, 93.6616



Tritanopia

37.1848, 34.1570, 37.8908

Trichromacy



Original Color

49.7407, 34.4438, 98.6344



Protanomaly

40.5698, 33.8604, 99.0052



Deuteranomaly

39.3479, 33.7618, 95.7096



Tritanomaly

40.9666, 33.9028, 56.0145

Monochromacy



Original Color

49.7407, 34.4438, 98.6344



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

38.8427, 34.8275, 56.8997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7407, 34.4438, 98.6344 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, 125, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 125, 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, 125, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 125, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.7407, 34.4438, 98.6344 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, 125, 255) }
```


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

```
.border{ border-color:rgb(202, 125, 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, 125, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 125, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 125, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 125,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7407, 34.4438, 98.6344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 125, 255) }
```

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

```
.background{ background-color: rgb(202,  
125, 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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