

Converting Colors

XYZ(50.0627, 36.4240, 98.9997)

Have a look what the booklet for
XYZ(50.0627, 36.4240, 98.9997)
contains.

XYZ(50.1283, 36.4123, 98.9940)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.1283, 36.4123,
98.9940)**

Conversions

Conversions Part 1

Format	Color
Hex	C786FF
RGB	199, 134, 255
RGB Percent	78%, 53%, 100%
CMY	0.2196, 0.4745, 0.0000
CMYK	0.22, 0.47, 0.00, 0.00
HSL	272°, 100%, 76%
HSV	272°, 47%, 100%
XYZ	50.1283, 36.4123, 98.9940
YIQ	167.2290, -0.1010, 51.4110

Conversions

Conversions Part 2

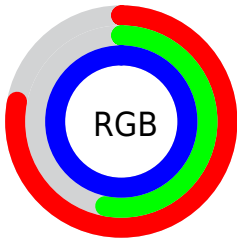
Format	Color
RYB	199, 134, 255
Decimal	13076223
CIELab	66.83, 46.93, -50.94
CIElCh	67, 69.259, 312.657
Yxy	36.4123, 0.2702, 0.1963
Android (android.graphics.Color)	4291266303 (0xFFC786FF)
YUV	167.2290, 43.2711, 27.8632
Hunter-Lab	60.3426, 42.6854, -55.0273

Details

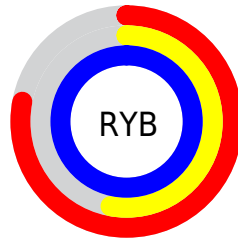
The XYZ color **50.1283, 36.4123, 98.9940** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **61.2987, 84.1886, 35.5748**, and the grayscale version is **36.6391, 38.5472, 41.9779**.

A 20% lighter version of the original color is **77.4876, 64.8752, 103.0459**, and **24.3657, 15.8626, 55.2037** is the 20% darker color. If you saturate the color by 10%, you get **44.0087, 28.6419, 97.8167**, and if you desaturate by 10%, it is **57.3428, 46.0098, 100.4662**.

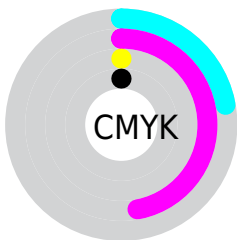
Distribution



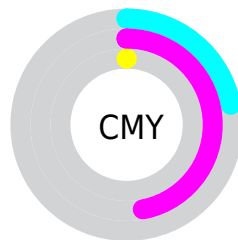
- Red (78%)
- Green (53%)
- Blue (100%)



- Red (78%)
- Yellow (53%)
- Blue (100%)



- Cyan (22%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)





- Cyan (22%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1283, 36.4123, 98.9940 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 50.1283, 36.4123, 98.9940 by changing the saturation by 10% instead.

 50.1283, 36.4123,
98.9940


 50.1283, 36.4123,
98.9940

377.6112,
330.7591, 578.1816


 35.7336, 24.7528,
74.8485


 89.5556, 69.6680,
161.8138

 24.3977, 15.8930,
54.9878


 115.3189, 92.0329,
201.3252

 15.7552, 9.4484,
38.9934


 145.6025,
118.7351, 246.7956

 9.4408, 5.0348,
26.4468

180.7716,
150.1590, 298.6435

 5.0892, 2.2677,
16.9294

221.1917,
186.6889, 357.2875

 2.3350, 0.7565,
10.0228

267.2281,

 0.8125, 0.0000,

228.7093, 423.1462

5.3083

319.2461,
276.6046, 496.6380

■ 0.0000, 0.0000,
2.3674

■ 0.0000, 0.0000,
0.7686

■ 50.1283, 36.4123,
98.9940

■ 50.1283, 36.4123,
98.9940

■ 44.0087, 28.6419,
97.8167

■ 57.3428, 46.0098,
100.4662

■ 38.9127, 22.5674,
96.9128

■ 65.7098, 57.5448,
102.2517

■ 34.7653, 18.0462,
96.2587

■ 75.2866, 71.1236,
104.3679

■ 31.4776, 14.9091,
95.8264

■ 86.1257, 86.8435,
106.8309

■ 28.9351, 12.9363, 95.0500, 100.0000,
95.5796 108.9000

■ 28.3643, 12.5372,
95.5327

Harmonies

Analogous

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



39.2119, 36.4123, 126.7548



50.1283, 36.4123, 98.9940



57.6128, 36.4123, 59.4467

Triad

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



50.1283, 36.4123, 98.9940



40.9665, 36.4123, 6.1428



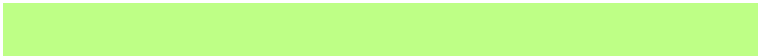
18.4425, 36.4123, 53.6754

Complementary

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



50.1283, 36.4123, 98.9940



61.2987, 84.1886, 35.5748

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.



18.7241, 36.4123, 24.8183



50.1283, 36.4123, 98.9940



30.3808, 36.4123, 5.7973

Square

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



50.1283, 36.4123, 98.9940



51.6341, 36.4123, 11.9990



22.6769, 36.4123, 10.5574



21.8096, 36.4123, 92.9811

Rectangle

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



50.1283, 36.4123, 98.9940



58.8777, 36.4123, 37.0330



22.6769, 36.4123, 10.5574



18.1368, 36.4123, 42.3808

Sweetspot

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



50.1296, 36.4137, 98.9942



78.8805, 76.2997, 105.1776



46.3972, 49.3188, 101.6818



16.3987, 15.6319, 22.4029



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.



50.1296, 36.4137, 98.9942



44.2613, 28.9539, 97.8636



67.1729, 45.2741, 96.4377



17.9351, 17.8583, 22.7517



14.9952, 6.6408, 49.9261



1.5862, 0.7116, 4.8670

Inverse Universe

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



59.0599, 42.0289, 53.7151



54.7059, 35.5075, 45.5224



50.1822, 78.4247, 36.5513



18.3591, 18.1270, 20.5083



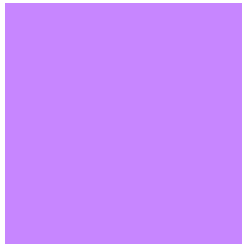
23.3315, 11.8219, 10.3959



2.3262, 1.1728, 1.2991

Previews

White Background



This preview shows how the XYZ color 50.1283, 36.4123, 98.9940 looks on a white background.

Color Contrast Check

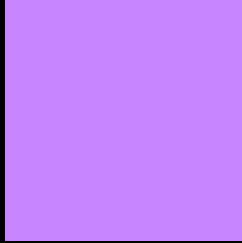
Large Text (above 18pt) WCAG AA × Fail

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 50.1283, 36.4123, 98.9940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

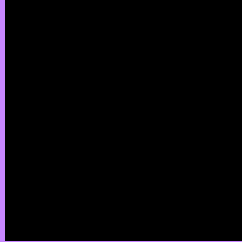
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.1283, 36.4123, 98.9940

Background



This preview shows how black text looks on a background with the XYZ color 50.1283, 36.4123, 98.9940.



This preview shows how white text looks on a background with the XYZ color 50.1283, 36.4123,

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

50.1283, 36.4123, 98.9940

Protanopia

39.2250, 36.7972, 99.6429

Deuteranopia

37.7649, 36.6733, 94.7108



Tritanopia

38.4636, 36.4231, 41.5623

Trichromacy



Original Color

50.1283, 36.4123, 98.9940



Protanomaly

42.2535, 36.1255, 99.3537



Deuteranomaly

41.0352, 35.8111, 96.0162

Tritanomaly

41.7288, 35.8098, 58.7455

Monochromacy



Original Color

50.1283, 36.4123, 98.9940



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

40.6206, 37.1499, 59.0625

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1283, 36.4123, 98.9940 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(199, 134, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 134, 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(199, 134, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 134, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.1283, 36.4123, 98.9940 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(199, 134, 255) }
```


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

```
.border{ border-color:rgb(199, 134, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 134, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 134, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 134, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 134,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1283, 36.4123, 98.9940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 134, 255) }
```

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

```
.background{ background-color: rgb(199,  
134, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor