

Converting Colors

XYZ(45.8551, 33.4154, 98.6407)

Have a look what the booklet for
XYZ(45.8551, 33.4154, 98.6407)
contains.

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Color

**XYZ(45.7998, 33.3756,
98.6360)**

Conversions

Conversions Part 1

Format	Color
Hex	B882FF
RGB	184, 130, 255
RGB Percent	72%, 51%, 100%
CMY	0.2784, 0.4902, 0.0000
CMYK	0.28, 0.49, 0.00, 0.00
HSL	266°, 100%, 75%
HSV	266°, 49%, 100%
XYZ	45.7998, 33.3756, 98.6360
YIQ	160.3960, -7.9410, 50.3230

Conversions

Conversions Part 2

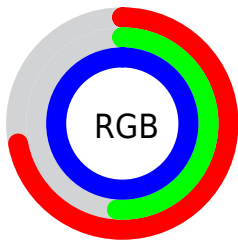
Format	Color
RYB	184, 130, 255
Decimal	12092159
CIELab	64.46, 45.17, -54.79
CIELCh	64, 71.004, 309.502
Yxy	33.3756, 0.2576, 0.1877
Android (android.graphics.Color)	4290282239 (0xFFB882FF)
YUV	160.3960, 46.6398, 20.7007
Hunter-Lab	57.7716, 40.4097, -60.7883

Details

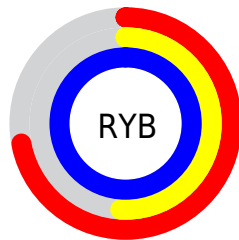
The XYZ color **45.7998, 33.3756, 98.6360** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **63.8768, 85.5493, 34.2662**, and the grayscale version is **33.3914, 35.1304, 38.2570**.

A 20% lighter version of the original color is **71.8084, 60.3782, 102.4772**, and **21.7414, 14.1812, 55.0174** is the 20% darker color. If you saturate the color by 10%, you get **39.5250, 25.7148, 97.4880**, and if you desaturate by 10%, it is **53.2725, 42.9025, 100.0810**.

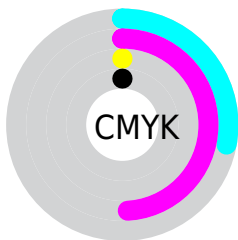
Distribution



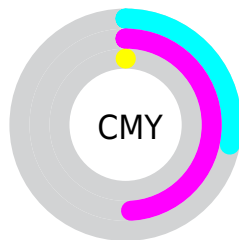
- Red (72%)
- Green (51%)
- Blue (100%)



- Red (72%)
- Yellow (51%)
- Blue (100%)



- Cyan (28%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)





- Cyan (28%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7998, 33.3756, 98.6360 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 45.7998, 33.3756, 98.6360 by changing the saturation by 10% instead.


 45.7998, 33.3756,
98.6360

 45.7998, 33.3756,
98.6360


360.7326,
317.3388, 577.0199


 32.2918, 22.4143,
74.5514


 83.1490, 64.9615,
161.3170

 21.7411, 14.1617,
54.7459


 107.7209, 86.3549,
200.7504

 13.7823, 8.2332,
38.8011


 136.7116,
111.9945, 246.1371

 8.0501, 4.2445,
26.2984

170.4863,
142.2646, 297.8958

 4.1791, 1.8113,
16.8192

209.4103,
177.5498, 356.4448

 1.8040, 0.4942,
9.9451

253.8492,

 0.5201, 0.0000,

218.2342, 422.2028

5.2574

304.1682,
264.7025, 495.5884

■ 0.0000, 0.0000,
2.3377

■ 0.0000, 0.0000,
0.7522

■ 45.7998, 33.3756,
98.6360

■ 45.7998, 33.3756,
98.6360

■ 39.5250, 25.7148,
97.4880

■ 53.2725, 42.9025,
100.0810

■ 34.3707, 19.7845,
96.6150

■ 62.0066, 54.4107,
101.8420

■ 30.2547, 15.4359,
95.9926

■ 72.0647, 68.0101,
103.9368

■ 27.0796, 12.4915,
95.5916

■ 83.5041, 83.8012,
106.3819

■ 24.7066, 10.6919, 95.0500, 100.0000,
95.3693 108.9000

■ 24.5007, 10.5455,
95.3519

Harmonies

Analogous

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



35.0487, 33.3756, 123.8279



45.7998, 33.3756, 98.6360



53.6954, 33.3756, 59.5910

Triad

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



45.7998, 33.3756, 98.6360



39.0459, 33.3756, 5.1272



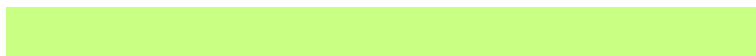
16.1255, 33.3756, 46.3516

Complementary

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



45.7998, 33.3756, 98.6360



63.8768, 85.5493, 34.2662

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.



16.7488, 33.3756, 20.0937



45.7998, 33.3756, 98.6360



28.6137, 33.3756, 4.4132

Square

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



45.7998, 33.3756, 98.6360



49.2557, 33.3756, 11.1483



20.8731, 33.3756, 8.0507



18.9389, 33.3756, 84.6433

Rectangle

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



45.7998, 33.3756, 98.6360



55.4656, 33.3756, 36.8278



20.8731, 33.3756, 8.0507



15.9563, 33.3756, 35.8573

Sweetspot

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



45.8010, 33.3768, 98.6361



76.4924, 74.0868, 104.8763



48.5929, 54.6392, 102.5930



15.8693, 15.1657, 22.3408



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.



45.8010, 33.3768, 98.6361



39.5355, 25.7273, 97.4899



63.5441, 42.5237, 99.4665



17.7473, 17.7615, 22.7429



12.9656, 5.5945, 49.8311



1.3847, 0.6078, 4.8576

Inverse Universe

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



59.7656, 41.4431, 60.1075



55.5405, 34.9896, 52.5437



50.6755, 78.7437, 33.6483



18.4417, 18.1600, 20.9429



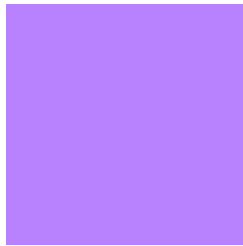
24.2891, 12.2049, 15.4387



2.4198, 1.2103, 1.7919

Previews

White Background



This preview shows how the XYZ color 45.7998, 33.3756, 98.6360 looks on a white background.

Color Contrast Check

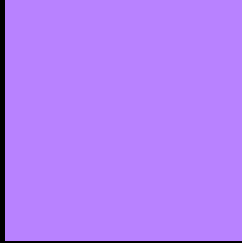
Large Text (above 18pt) WCAG AA × Fail

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 45.7998, 33.3756, 98.6360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

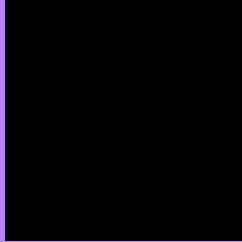
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.7998, 33.3756, 98.6360

Background



This preview shows how black text looks on a background with the XYZ color 45.7998, 33.3756, 98.6360.

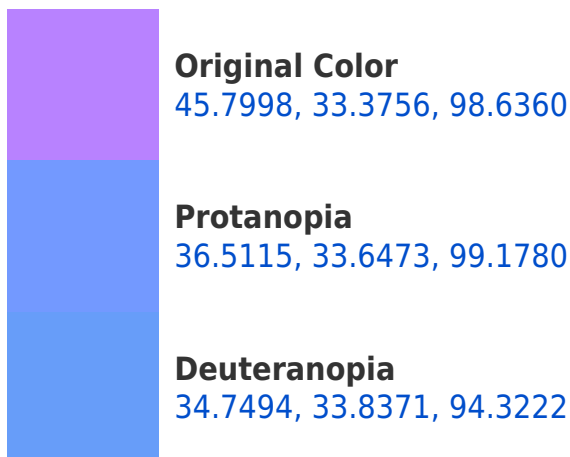


This preview shows how white text looks on a background with the XYZ color 45.7998, 33.3756,

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

33.8654, 33.3523, 39.7747

Trichromacy



Original Color

45.7998, 33.3756, 98.6360



Protanomaly

38.9906, 33.0462, 98.9313



Deuteranomaly

37.3620, 32.7380, 95.6167



Tritanomaly

37.2849, 32.8620, 57.2012

Monochromacy



Original Color

45.7998, 33.3756, 98.6360



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

36.9600, 33.8700, 56.2193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7998, 33.3756, 98.6360 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(184, 130, 255)` looks like.

```
.text, #text, p{  
    color:rgb(184, 130, 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(184, 130, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 130, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.7998, 33.3756, 98.6360 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(184, 130, 255) }
```


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

```
.border{ border-color:rgb(184, 130, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 130, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 130, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 130, 255);  
box-shadow:4px 4px 4px 4px rgb(184, 130,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7998, 33.3756, 98.6360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 130, 255) }
```

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

```
.background{ background-color: rgb(184,  
130, 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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