

Converting Colors

XYZ(39.8800, 25.5271, 97.4331)

Have a look what the booklet for
XYZ(39.8800, 25.5271, 97.4331)
contains.

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Color

**XYZ(39.8146, 25.4934,
97.4300)**

Conversions

Conversions Part 1

Format	Color
Hex	AC66FF
RGB	172, 102, 255
RGB Percent	67%, 40%, 100%
CMY	0.3255, 0.6000, 0.0000
CMYK	0.33, 0.60, 0.00, 0.00
HSL	267°, 100%, 70%
HSV	267°, 60%, 100%
XYZ	39.8146, 25.4934, 97.4300
YIQ	140.3720, -7.3930, 62.4230

Conversions

Conversions Part 2

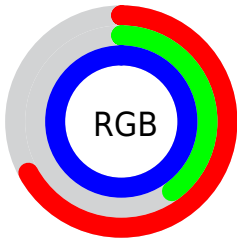
Format	Color
R _Y B	172, 102, 255
Decimal	11298559
CIE Lab	57.55, 57.08, -65.91
CIE LCh	58, 87.189, 310.891
Yxy	25.4934, 0.2447, 0.1567
Android (android.graphics.Color)	4289488639 (0xFFAC66FF)
YUV	140.3720, 56.5116, 27.7378
Hunter-Lab	50.4910, 52.3967, -79.0653

Details

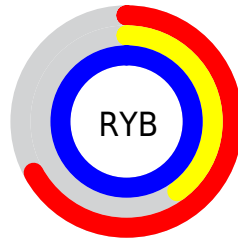
The XYZ color **39.8146, 25.4934, 97.4300** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **58.1657, 82.7935, 25.4861**, and the grayscale version is **24.8619, 26.1567, 28.4846**.

A 20% lighter version of the original color is **62.8935, 47.9859, 100.5551**, and **18.1158, 9.8053, 53.7611** is the 20% darker color. If you saturate the color by 10%, you get **34.8033, 19.7448, 96.5845**, and if you desaturate by 10%, it is **45.9144, 32.9475, 98.5473**.

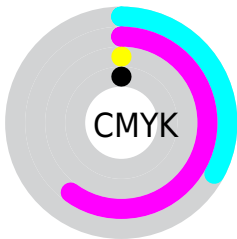
Distribution



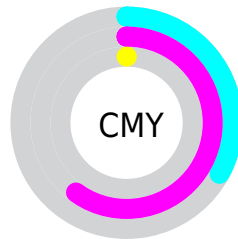
- Red (67%)
- Green (40%)
- Blue (100%)



- Red (67%)
- Yellow (40%)
- Blue (100%)



- Cyan (33%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (33%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.8146, 25.4934, 97.4300 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 39.8146, 25.4934, 97.4300 by changing the saturation by 10% instead.


 39.8146, 25.4934,
97.4300


 39.8146, 25.4934,
97.4300

336.4894,
280.2863, 573.0973


 27.5776, 16.4450,
73.5511


 74.1672, 52.4565,
159.6418


 18.1463, 9.8396,
53.9321


 97.0136, 71.1401,
198.8119

 11.1554, 5.2927,
38.1546


 124.1271, 93.8042,
243.9160

 6.2395, 2.4200,
25.7999

 155.8731,
120.8332, 295.3728

 3.0333, 0.8362,
16.4496

192.6170,
152.6115, 353.6008

 1.1714, 0.0000,
9.6851

234.7241,

 0.0836, 0.0000,

189.5235, 419.0185

5.0878

282.5597,
231.9537, 492.0445

■ 0.0000, 0.0000,
2.2392

■ 0.0000, 0.0000,
0.6969

■ 39.8146, 25.4934,
97.4300

■ 39.8146, 25.4934,
97.4300

■ 34.8033, 19.7448,
96.5845

■ 45.9144, 32.9475,
98.5473

■ 30.7946, 15.5476,
95.9857

■ 53.1729, 42.2372,
99.9578

■ 27.6920, 12.7228,
95.6040

■ 61.6571, 53.4825,
101.6812

■ 25.3421, 10.9793,
95.3913

■ 71.4279, 66.7924,
103.7353

■ 25.3419, 10.9791,
95.3913

■ 82.5417, 82.2675,
106.1365

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.



28.2075, 25.4934, 130.4790



39.8146, 25.4934, 97.4300



48.4539, 25.4934, 51.0354

Triad

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



39.8146, 25.4934, 97.4300



31.3819, 25.4934, 1.1938



9.4240, 25.4934, 40.0415

Complementary

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



39.8146, 25.4934, 97.4300



58.1657, 82.7935, 25.4861

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.



9.8246, 25.4934, 12.9174



39.8146, 25.4934, 97.4300



20.6464, 25.4934, 0.9516

Square

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



39.8146, 25.4934, 97.4300



42.7025, 25.4934, 4.6165



13.3587, 25.4934, 3.0749



12.0425, 25.4934, 84.6356

Rectangle

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



39.8146, 25.4934, 97.4300



50.2195, 25.4934, 26.8771



13.3587, 25.4934, 3.0749



9.2347, 25.4934, 28.6579

Sweetspot

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



39.8156, 25.4943, 97.4301



73.5405, 69.7097, 104.1871



41.1205, 45.2264, 101.1700



15.0863, 14.0180, 22.1606



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.



39.8156, 25.4943, 97.4301



33.9237, 18.7860, 96.4458



61.2830, 36.5611, 98.4348



17.7926, 17.7848, 22.7450



13.4091, 5.8231, 49.8518



1.4298, 0.6310, 4.8597

Inverse Universe

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



54.7484, 34.2660, 49.6268



50.8692, 28.7577, 41.3964



44.5456, 75.7721, 24.8487



18.4215, 18.1519, 20.8369



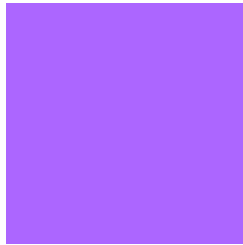
24.0347, 12.1032, 14.0989



2.3953, 1.2005, 1.6633

Previews

White Background



This preview shows how the XYZ color 39.8146, 25.4934, 97.4300 looks on a white background.

Color Contrast Check

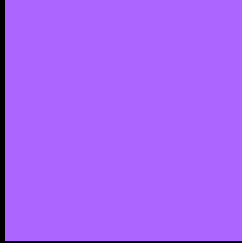
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.8146, 25.4934, 97.4300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

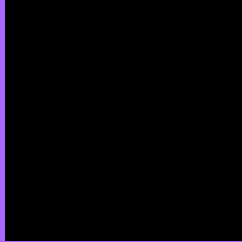
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.8146, 25.4934, 97.4300

Background



This preview shows how black text looks on a background with the XYZ color 39.8146, 25.4934, 97.4300.



This preview shows how white text looks on a background with the XYZ color 39.8146, 25.4934,

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

39.8146, 25.4934, 97.4300

Protanopia

29.4767, 25.7661, 98.0275

Deuteranopia

26.7317, 25.7629, 91.5595



Tritanopia

25.9992, 25.2727, 29.8934

Trichromacy



Original Color

39.8146, 25.4934, 97.4300



Protanomaly

31.4399, 24.4541, 97.6708



Deuteranomaly

28.1958, 23.6177, 93.5151



Tritanomaly

29.7118, 24.6489, 48.5391

Monochromacy



Original Color

39.8146, 25.4934, 97.4300



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

28.8532, 24.9745, 47.5558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8146, 25.4934, 97.4300 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(172, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 102, 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(172, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 102, 255) }
```

Border

The CSS property to change the border of an element to XYZ 39.8146, 25.4934, 97.4300 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(172, 102, 255) }
```


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

```
.border{ border-color:rgb(172, 102, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 102,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8146, 25.4934, 97.4300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 102, 255) }
```

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

```
.background{ background-color: rgb(172,  
102, 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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