

Converting Colors

XYZ(55.2204, 38.3321, 99.0961)

Have a look what the booklet for
XYZ(55.2204, 38.3321, 99.0961)
contains.

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Color

**XYZ(55.3797, 38.5127,
99.1226)**

Conversions

Conversions Part 1

Format	Color
Hex	DB83FF
RGB	219, 131, 255
RGB Percent	86%, 51%, 100%
CMY	0.1412, 0.4863, 0.0000
CMYK	0.14, 0.49, 0.00, 0.00
HSL	283°, 100%, 76%
HSV	283°, 49%, 100%
XYZ	55.3797, 38.5127, 99.1226
YIQ	171.4480, 12.6440, 57.2200

Conversions

Conversions Part 2

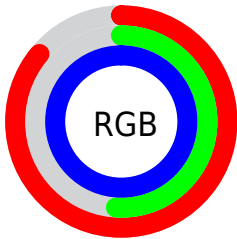
Format	Color
RYB	219, 131, 255
Decimal	14386175
CIELab	68.40, 53.83, -48.32
CIElCh	68, 72.342, 318.087
Yxy	38.5127, 0.2869, 0.1995
Android (android.graphics.Color)	4292576255 (0xFFDB83FF)
YUV	171.4480, 41.1911, 41.7031
Hunter-Lab	62.0586, 50.6868, -51.2595

Details

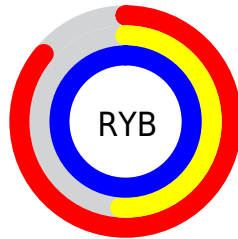
The XYZ color **55.3797, 38.5127, 99.1226** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **55.7939, 81.3746, 34.2406**, and the grayscale version is **38.7300, 40.7469, 44.3734**.

A 20% lighter version of the original color is **76.8489, 63.5978, 102.8330**, and **27.8177, 17.2074, 55.2813** is the 20% darker color. If you saturate the color by 10%, you get **50.1891, 31.3638, 98.0163**, and if you desaturate by 10%, it is **61.5146, 47.4010, 100.5149**.

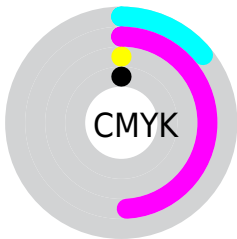
Distribution



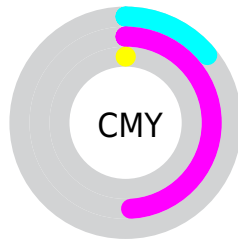
- Red (86%)
- Green (51%)
- Blue (100%)



- Red (86%)
- Yellow (51%)
- Blue (100%)



- Cyan (14%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)




- Cyan (14%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.3797, 38.5127, 99.1226 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 55.3797, 38.5127, 99.1226 by changing the saturation by 10% instead.


 55.3797, 38.5127,
99.1226

 55.3797, 38.5127,
99.1226


397.4627,
339.8142, 578.5986


 39.9408, 26.3809,
74.9552


 97.2421, 72.8933,
161.9923

 27.6764, 17.1088,
55.0747


 124.3964, 95.9108,
201.5316

 18.2211, 10.3121,
39.0625


 156.1866,
123.3257, 247.0320

 11.2095, 5.6064,
26.5002

192.9779,
155.5224, 298.9119

 6.2763, 2.6072,
16.9691

235.1359,
192.8851, 357.5901

 3.0560, 0.9303,
10.0507

283.0257,

 1.1835, 0.0000,

235.7984, 423.4848

5.3266

337.0129,
284.6467, 497.0148

■ 0.0933, 0.0000,
2.3780

■ 0.0000, 0.0000,
0.7744

■ 55.3797, 38.5127,
99.1226

■ 55.3797, 38.5127,
99.1226

■ 50.1891, 31.3638,
98.0163

■ 61.5146, 47.4010,
100.5149

■ 45.8746, 25.8231,
97.1742

■ 68.6477, 58.1378,
102.2113

■ 42.3646, 21.7480,
96.5727

■ 76.8331, 70.8285,
104.2295

■ 39.5726, 18.9677,
96.1832

■ 86.1198, 85.5694,
106.5853

■ 37.3764, 17.2396, 95.0500, 100.0000,
95.9654 108.9000

■ 37.0989, 17.0401,
95.9415

Harmonies

Analogous

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



43.8122, 38.5127, 133.9079



55.3797, 38.5127, 99.1226



62.4002, 38.5127, 56.2143

Triad

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



55.3797, 38.5127, 99.1226



41.3007, 38.5127, 5.6797



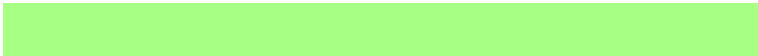
19.5231, 38.5127, 64.5020

Complementary

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



55.3797, 38.5127, 99.1226



55.7939, 81.3746, 34.2406

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.



19.1255, 38.5127, 30.3031



55.3797, 38.5127, 99.1226



30.2353, 38.5127, 6.1520

Square

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



55.3797, 38.5127, 99.1226



53.2166, 38.5127, 10.4873



22.6404, 38.5127, 12.4940



23.8694, 38.5127, 107.8175

Rectangle

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



55.3797, 38.5127, 99.1226



62.7622, 38.5127, 33.7364



22.6404, 38.5127, 12.4940



18.9617, 38.5127, 51.3618

Sweetspot

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



55.3810, 38.5143, 99.1228



80.0704, 75.9313, 105.0438



41.4510, 40.1260, 100.1681



16.7317, 15.6103, 22.3812



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.



55.3810, 38.5143, 99.1228



50.4875, 31.7626, 98.0775



63.6681, 43.2183, 79.9972



18.2488, 18.0200, 22.7663



19.5406, 8.9840, 50.1388



2.0112, 0.9307, 4.8869

Inverse Universe

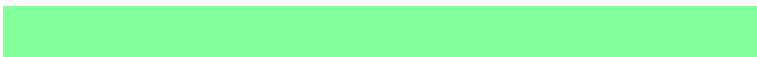
The Inverse Universe completely reimagines the original color for something new.



56.3322, 40.2839, 41.3669



52.0162, 33.9995, 32.6911



51.1049, 78.7393, 43.8701



18.2262, 18.0738, 19.8085



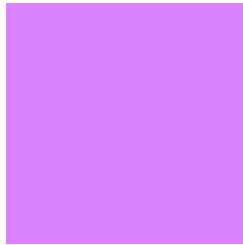
22.2510, 11.3897, 4.7062



2.2115, 1.1270, 0.6952

Previews

White Background



This preview shows how the XYZ color 55.3797, 38.5127, 99.1226 looks on a white background.

Color Contrast Check

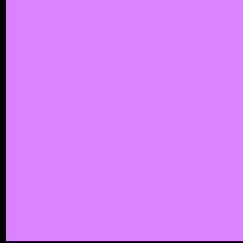
Large Text (above 18pt) WCAG AA × Fail

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 55.3797, 38.5127, 99.1226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

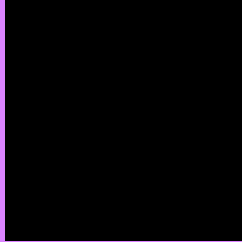
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.3797, 38.5127, 99.1226

Background



This preview shows how black text looks on a background with the XYZ color 55.3797, 38.5127, 99.1226.



This preview shows how white text looks on a background with the XYZ color 55.3797, 38.5127,

99.1226.

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

55.3797, 38.5127, 99.1226

Protanopia

41.1570, 38.8393, 99.9353

Deuteranopia

39.9396, 38.8750, 94.2055



Tritanopia

43.2689, 38.4419, 40.2615

Trichromacy



Original Color

55.3797, 38.5127, 99.1226



Protanomaly

44.7953, 37.6758, 99.5189



Deuteranomaly

43.9081, 37.5340, 96.1974



Tritanomaly

46.7818, 37.9837, 57.6892

Monochromacy



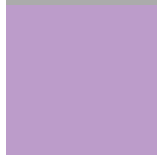
Original Color

55.3797, 38.5127, 99.1226



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

43.2882, 38.7326, 61.0717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.3797, 38.5127, 99.1226 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(219, 131, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 131, 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(219, 131, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 131, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.3797, 38.5127, 99.1226 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(219, 131, 255) }
```


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

```
.border{ border-color:rgb(219, 131, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 131, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 131, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 131, 255);  
box-shadow:4px 4px 4px 4px rgb(219, 131,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.3797, 38.5127, 99.1226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 131, 255) }
```

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

```
.background{ background-color: rgb(219,  
131, 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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