

Converting Colors

XYZ(57.3727, 33.5080,
195.2124)

Have a look what the booklet for
XYZ(57.3727, 33.5080, 195.2124)
contains.

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Color

**XYZ(38.8285, 26.0498,
97.5894)**

Conversions

Conversions Part 1

Format	Color
Hex	A46DFF
RGB	164, 109, 255
RGB Percent	64%, 43%, 100%
CMY	0.3568, 0.5725, 0.0000
CMYK	0.36, 0.57, 0.00, 0.00
HSL	263°, 100%, 71%
HSV	263°, 57%, 100%
XYZ	38.8285, 26.0498, 97.5894
YIQ	142.0890, -14.0860, 57.0660

Conversions

Conversions Part 2

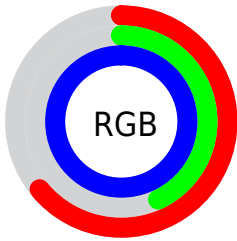
Format	Color
RYB	164, 109, 255
Decimal	10776063
CIELab	58.08, 51.67, -65.10
CIELCh	58, 83.114, 308.440
Yxy	26.0498, 0.2390, 0.1603
Android (android.graphics.Color)	4288966143 (0xFFA46DFF)
YUV	142.0890, 55.6651, 19.2159
Hunter-Lab	51.0390, 46.4776, -77.6385

Details

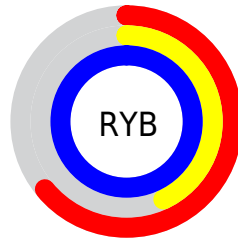
The XYZ color **38.8285, 26.0498, 97.5894** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **62.3393, 84.9033, 27.5709**, and the grayscale version is **25.5381, 26.8681, 29.2593**.

A 20% lighter version of the original color is **61.4018, 48.7486, 100.7809**, and **17.5350, 10.1215, 53.8528** is the 20% darker color. If you saturate the color by 10%, you get **33.4146, 19.7899, 96.6664**, and if you desaturate by 10%, it is **45.4432, 34.1003, 98.7946**.

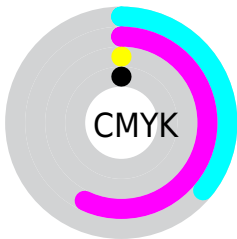
Distribution



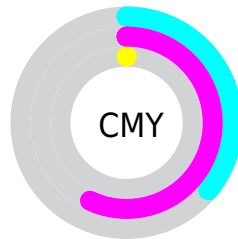
- Red (64%)
- Green (43%)
- Blue (100%)



- Red (64%)
- Yellow (43%)
- Blue (100%)



- Cyan (36%)
- Magenta (57%)
- Yellow (0%)
- Black (0%)





- Cyan (36%)
- Magenta (57%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8285, 26.0498, 97.5894 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 38.8285, 26.0498, 97.5894 by changing the saturation by 10% instead.


 38.8285, 26.0498,
97.5894


 38.8285, 26.0498,
97.5894

332.3805,
283.0265, 573.6166


 26.8065, 16.8609,
73.6833


 72.6720, 53.3553,
159.8634


 17.5638, 10.1354,
54.0396


 95.2242, 72.2406,
199.0683

 10.7350, 5.4888,
38.2399


 122.0171, 95.1269,
244.2098

 5.9549, 2.5368,
25.8657

 153.4161,
122.3986, 295.7066

 2.8581, 0.8950,
16.4983

189.7866,
154.4400, 353.9771

 1.0792, 0.0000,
9.7193

231.4940,

 0.0076, 0.0000,

191.6355, 419.4400

5.1101

278.9035,
234.3695, 492.5136

■ 0.0000, 0.0000,
2.2521

■ 0.0000, 0.0000,
0.7042

■ 38.8285, 26.0498,
97.5894

■ 38.8285, 26.0498,
97.5894

■ 33.4146, 19.7899,
96.6664

■ 45.4432, 34.1003,
98.7946

■ 29.1129, 15.1694,
96.0013

■ 53.3317, 44.0701,
100.3032

■ 25.8257, 12.0155,
95.5658

■ 62.5646, 56.0785,
102.1345

■ 23.4293, 10.1060,
95.3235

■ 73.2058, 70.2345,
104.3060

■ 22.8809, 9.7104,
95.2761

■ 85.3151, 86.6390,
106.8342

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.



27.7069, 26.0498, 125.9471



38.8285, 26.0498, 97.5894



47.4435, 26.0498, 53.9633

Triad

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



38.8285, 26.0498, 97.5894



32.5652, 26.0498, 1.7459



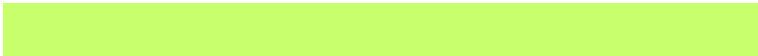
10.1369, 26.0498, 37.2911

Complementary

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



38.8285, 26.0498, 97.5894



62.3393, 84.9033, 27.5709

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.



10.7805, 26.0498, 12.4946



38.8285, 26.0498, 97.5894



22.0290, 26.0498, 1.2836

Square

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



38.8285, 26.0498, 97.5894



43.1992, 26.0498, 5.9888



14.5803, 26.0498, 3.3439



12.4941, 26.0498, 78.5883

Rectangle

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



38.8285, 26.0498, 97.5894



49.5496, 26.0498, 29.8981



14.5803, 26.0498, 3.3439



10.0258, 26.0498, 26.8829

Sweetspot

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



38.8295, 26.0507, 97.5895



73.4951, 70.6231, 104.3658



45.3527, 52.4629, 102.3438



15.2470, 14.4671, 22.2388



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.



38.8295, 26.0507, 97.5895



32.5859, 18.8695, 96.5324



57.9563, 35.9109, 98.4846



17.6496, 17.7111, 22.7383



12.1077, 5.1522, 49.7909



1.2954, 0.5617, 4.8534

Inverse Universe

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



57.1340, 36.3678, 58.6508



53.1939, 30.5209, 51.0691



47.4932, 77.2498, 26.8761



18.4855, 18.1775, 21.1738



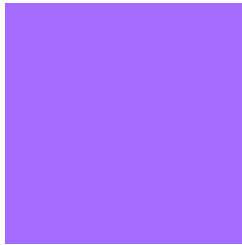
24.8906, 12.4455, 18.6062



2.4766, 1.2330, 2.0913

Previews

White Background



This preview shows how the XYZ color 38.8285, 26.0498, 97.5894 looks on a white background.

Color Contrast Check

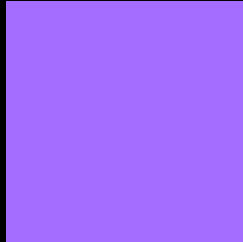
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.8285, 26.0498, 97.5894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

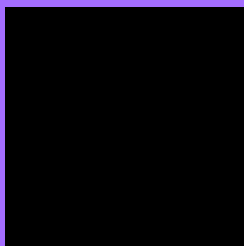
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.8285, 26.0498, 97.5894

Background



This preview shows how black text looks on a background with the XYZ color 38.8285, 26.0498, 97.5894.

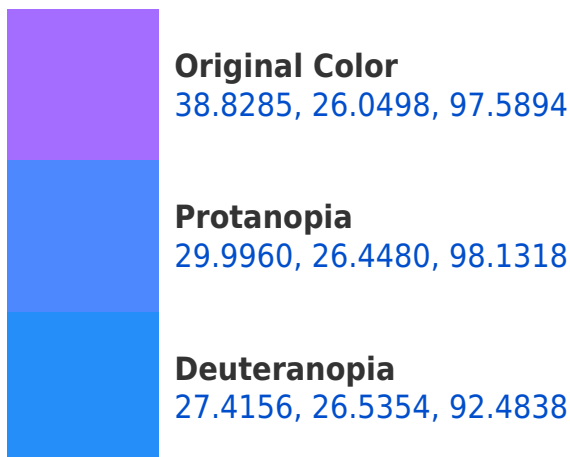


This preview shows how white text looks on a background with the XYZ color 38.8285, 26.0498,

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

25.5891, 26.0659, 31.6995

Trichromacy



Original Color

38.8285, 26.0498, 97.5894

Protanomaly

31.8175, 25.3929, 97.8321

Deuteranomaly

29.0514, 24.8151, 94.5254

Tritanomaly

29.1367, 25.2506, 50.3519

Monochromacy



Original Color

38.8285, 26.0498, 97.5894

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

29.1076, 25.8682, 48.2587

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8285, 26.0498, 97.5894 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(164, 109, 255)` looks like.

```
.text, #text, p{  
    color:rgb(164, 109, 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(164, 109, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 109, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.8285, 26.0498, 97.5894 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(164, 109, 255) }
```


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

```
.border{ border-color:rgb(164, 109, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 109, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 109, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 109, 255);  
box-shadow:4px 4px 4px 4px rgb(164, 109,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8285, 26.0498, 97.5894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 109, 255) }
```

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

```
.background{ background-color: rgb(164,  
109, 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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