

Converting Colors

XYZ(37.9696, 24.4300, 97.3220)

Have a look what the booklet for
XYZ(37.9696, 24.4300, 97.3220)
contains.

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Color

**XYZ(38.0135, 24.4199,
97.3177)**

Conversions

Conversions Part 1

Format	Color
Hex	A465FF
RGB	164, 101, 255
RGB Percent	64%, 40%, 100%
CMY	0.3568, 0.6039, 0.0000
CMYK	0.36, 0.60, 0.00, 0.00
HSL	265°, 100%, 70%
HSV	265°, 60%, 100%
XYZ	38.0135, 24.4199, 97.3177
YIQ	137.3930, -11.8860, 61.2500

Conversions

Conversions Part 2

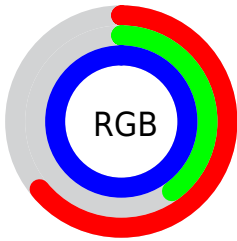
Format	Color
R_{YB}	164, 101, 255
Decimal	10774015
CIE _{Lab}	56.51, 55.86, -67.64
CIE _{LCh}	57, 87.726, 309.551
Yxy	24.4199, 0.2380, 0.1529
Android (android.graphics.Color)	4288964095 (0xFFA465FF)
YUV	137.3930, 57.9803, 23.3343
Hunter-Lab	49.4165, 50.8318, -82.1704

Details

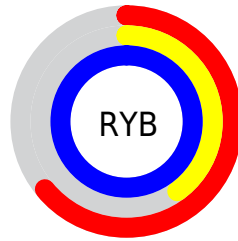
The XYZ color **38.0135, 24.4199, 97.3177** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **59.8469, 83.6659, 25.3074**, and the grayscale version is **23.7181, 24.9532, 27.1741**.

A 20% lighter version of the original color is **60.0370, 46.0192, 100.3260**, and **17.0021, 9.2311, 53.7090** is the 20% darker color. If you saturate the color by 10%, you get **32.9830, 18.7041, 96.4796**, and if you desaturate by 10%, it is **44.1822, 31.8627, 98.4292**.

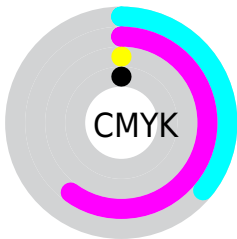
Distribution



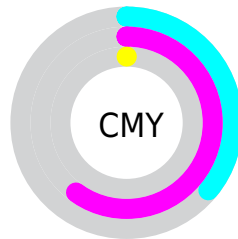
- Red (64%)
- Green (40%)
- Blue (100%)



- Red (64%)
- Yellow (40%)
- Blue (100%)



- Cyan (36%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (36%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0135, 24.4199, 97.3177 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 38.0135, 24.4199, 97.3177 by changing the saturation by 10% instead.

 38.0135, 24.4199,
97.3177


 38.0135, 24.4199,
97.3177

328.9577,
274.9365, 572.7313


 26.1704, 15.6454,
73.4580


 71.4326, 50.7146,
159.4858


 17.0845, 9.2736,
53.8564


 93.7393, 69.0035,
198.6312

 10.3905, 4.9201,
38.0945


 120.2647, 91.2327,
243.7089

 5.7228, 2.2004,
25.7536

 151.3739,
117.7866, 295.1375

 2.7163, 0.7202,
16.4153

187.4325,
149.0495, 353.3355

 1.0056, 0.0000,
9.6610

228.8058,

 0.0000, 0.0000,

185.4059, 418.7215

5.0721

275.8591,
227.2401, 491.7139

■ 0.0000, 0.0000,
2.2302

■ 0.0000, 0.0000,
0.6917

■ 38.0135, 24.4199,
97.3177

■ 38.0135, 24.4199,
97.3177

■ 32.9830, 18.7041,
96.4796

■ 44.1822, 31.8627,
98.4292

■ 29.0012, 14.5589,
95.8894

■ 51.5625, 41.1650,
99.8357

■ 25.9675, 11.8020,
95.5171

■ 60.2247, 52.4486,
101.5571

■ 23.7964, 10.1824,
95.3189

■ 70.2322, 65.8242,
103.6114

■ 81.6442, 81.3940,
106.0152

■ 94.5159, 99.2534,
108.7840

■ 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.



26.6069, 24.4199, 128.8033



38.0135, 24.4199, 97.3177



46.7634, 24.4199, 51.3328

Triad

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



38.0135, 24.4199, 97.3177



30.7307, 24.4199, 1.0680



8.7788, 24.4199, 37.0006

Complementary

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



38.0135, 24.4199, 97.3177



59.8469, 83.6659, 25.3074

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.



9.2910, 24.4199, 11.4352



38.0135, 24.4199, 97.3177



20.1160, 24.4199, 0.7630

Square

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



38.0135, 24.4199, 97.3177



41.7784, 24.4199, 4.5001



12.8565, 24.4199, 2.5696



11.1661, 24.4199, 80.5337

Rectangle

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



38.0135, 24.4199, 97.3177



48.7549, 24.4199, 27.0302



12.8565, 24.4199, 2.5696



8.6382, 24.4199, 26.1529

Sweetspot

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



38.0145, 24.4207, 97.3178



72.8312, 69.3441, 104.1539



42.5758, 48.3043, 101.6874



14.9142, 13.9292, 22.1525



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.



38.0145, 24.4207, 97.3178



32.2741, 17.9356, 96.3686



58.5035, 34.9832, 98.2767



17.7067, 17.7405, 22.7410



12.5932, 5.4025, 49.8136



1.3464, 0.5880, 4.8558

Inverse Universe

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



55.4082, 34.3735, 53.5827



51.7456, 29.1082, 46.0113



45.3651, 76.2002, 24.6296



18.4598, 18.1672, 21.0384



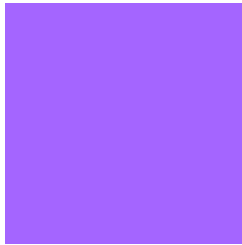
24.5299, 12.3012, 16.7067



2.4427, 1.2194, 1.9125

Previews

White Background



This preview shows how the XYZ color 38.0135, 24.4199, 97.3177 looks on a white background.

Color Contrast Check

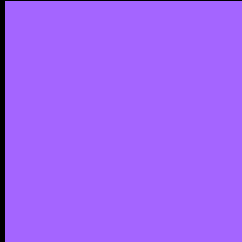
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.0135, 24.4199, 97.3177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

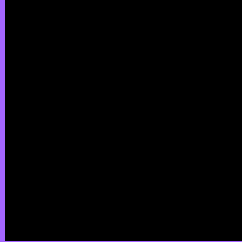
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.0135, 24.4199, 97.3177

Background



This preview shows how black text looks on a background with the XYZ color 38.0135, 24.4199, 97.3177.



This preview shows how white text looks on a background with the XYZ color 38.0135, 24.4199,

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

38.0135, 24.4199, 97.3177

Protanopia

28.4810, 24.6459, 97.8638

Deuteranopia

25.4176, 24.7086, 89.0175



Tritanopia

24.3300, 24.4209, 29.4180

Trichromacy



Original Color

38.0135, 24.4199, 97.3177

Protanomaly

30.2460, 23.4777, 97.5453

Deuteranomaly

26.1404, 22.4052, 91.7538

Tritanomaly

27.8835, 23.5250, 48.4186

Monochromacy



Original Color

38.0135, 24.4199, 97.3177

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

27.4785, 23.9136, 46.3475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0135, 24.4199, 97.3177 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, 101, 255)` looks like.

```
.text, #text, p{  
    color:rgb(164, 101, 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, 101, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 101, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.0135, 24.4199, 97.3177 is called "border". The border property can be set on classes, ids or directly on the HTML element.

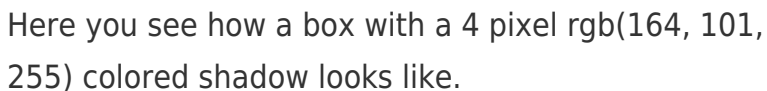
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(164, 101, 255) }
```


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

```
.border{ border-color:rgb(164, 101, 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, 101, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 101, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 101, 255);  
box-shadow:4px 4px 4px 4px rgb(164, 101,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0135, 24.4199, 97.3177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 101, 255) }
```

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

```
.background{ background-color: rgb(164,  
101, 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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