

Converting Colors

XYZ(39.2531, 25.1928,
102.0015)

Have a look what the booklet for
XYZ(39.2531, 25.1928, 102.0015)
contains.

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Color

**XYZ(38.4173, 24.9198,
97.3929)**

Conversions

Conversions Part 1

Format	Color
Hex	A567FF
RGB	165, 103, 255
RGB Percent	65%, 40%, 100%
CMY	0.3529, 0.5961, 0.0000
CMYK	0.35, 0.60, 0.00, 0.00
HSL	264°, 100%, 70%
HSV	264°, 60%, 100%
XYZ	38.4173, 24.9198, 97.3929
YIQ	138.8660, -11.8400, 60.4160

Conversions

Conversions Part 2

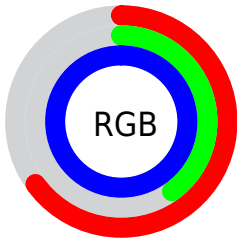
Format	Color
R _Y B	165, 103, 255
Decimal	10840063
CIE Lab	57.00, 55.04, -66.84
CIE LCh	57, 86.590, 309.470
Yxy	24.9198, 0.2390, 0.1550
Android (android.graphics.Color)	4289030143 (0xFFA567FF)
YUV	138.8660, 57.2541, 22.9195
Hunter-Lab	49.9197, 50.0107, -80.7304

Details

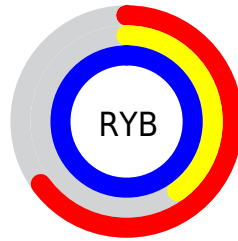
The XYZ color **38.4173, 24.9198, 97.3929** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **60.2000, 83.8365, 25.8416**, and the grayscale version is **24.2803, 25.5447, 27.8182**.

A 20% lighter version of the original color is **60.6789, 46.8442, 100.4515**, and **17.3253, 9.5247, 53.7486** is the 20% darker color. If you saturate the color by 10%, you get **33.2995, 19.0734, 96.5342**, and if you desaturate by 10%, it is **44.6810, 32.5052, 98.5269**.

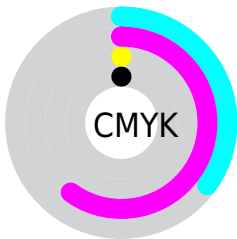
Distribution



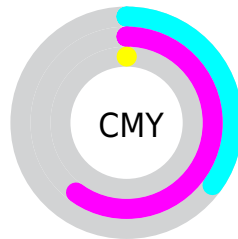
- Red (65%)
- Green (40%)
- Blue (100%)



- Red (65%)
- Yellow (40%)
- Blue (100%)



- Cyan (35%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4173, 24.9198, 97.3929 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 38.4173, 24.9198, 97.3929 by changing the saturation by 10% instead.


 38.4173, 24.9198,
97.3929

 38.4173, 24.9198,
97.3929

330.6567,
277.4383, 572.9764


 26.4854, 16.0173,
73.5203


 72.0471, 51.5271,
159.5903

 17.3217, 9.5364,
53.9071


 94.4757, 70.0007,
198.7522

 10.5609, 5.0927,
38.1347


 121.1339, 92.4334,
243.8476

 5.8375, 2.3017,
25.7846

 152.3871,
119.2097, 295.2951

 2.7862, 0.7746,
16.4383

188.6006,
150.7140, 353.5131

 1.0417, 0.0000,
9.6771

230.1398,

 0.0000, 0.0000,

187.3305, 418.9204

5.0826

277.3701,
229.4439, 491.9353

■ 0.0000, 0.0000,
2.2362

■ 0.0000, 0.0000,
0.6952

■ 38.4173, 24.9198,
97.3929

■ 38.4173, 24.9198,
97.3929

■ 33.2995, 19.0734,
96.5342

■ 44.6810, 32.5052,
98.5269

■ 29.2388, 14.8111,
95.9255

■ 52.1634, 41.9606,
99.9576

■ 26.1361, 11.9536,
95.5375

■ 60.9343, 53.4072,
101.7048

■ 23.8410, 10.2215,
95.3241

■ 71.0570, 66.9549,
103.7862

■ 23.7610, 10.1641,
95.3173

■ 82.5901, 82.7054,
106.2185

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.



27.0506, 24.9198, 128.3422



38.4173, 24.9198, 97.3929



47.1235, 24.9198, 51.8945

Triad

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



38.4173, 24.9198, 97.3929



31.2267, 24.9198, 1.2210



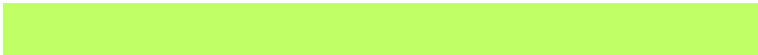
9.1592, 24.9198, 37.4297

Complementary

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



38.4173, 24.9198, 97.3929



60.2000, 83.8365, 25.8416

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.



9.6868, 24.9198, 11.8505



38.4173, 24.9198, 97.3929



20.6118, 24.9198, 0.8991

Square

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



38.4173, 24.9198, 97.3929



42.2153, 24.9198, 4.8332



13.3028, 24.9198, 2.7971



11.5698, 24.9198, 80.5723

Rectangle

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



38.4173, 24.9198, 97.3929



49.1143, 24.9198, 27.6552



13.3028, 24.9198, 2.7971



9.0189, 24.9198, 26.6182

Sweetspot

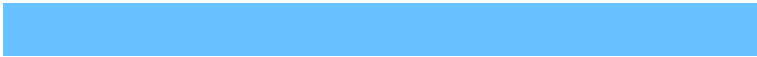
The Sweet Spot groups the original color and five complimentary colors.



38.4183, 24.9206, 97.3930



72.8139, 69.3351, 104.1531



42.9802, 48.7767, 101.7573



14.9100, 13.9271, 22.1523



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.



38.4183, 24.9206, 97.3930



32.2350, 17.9154, 96.3668



58.7678, 35.4112, 98.3454



17.7046, 17.7395, 22.7409



12.5745, 5.3929, 49.8128



1.3444, 0.5870, 4.8557

Inverse Universe

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



55.7158, 34.8110, 54.2334



51.7679, 29.1172, 46.1288



45.7069, 76.3650, 25.1634



18.4607, 18.1676, 21.0434



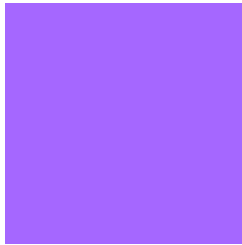
24.5428, 12.3064, 16.7745



2.4439, 1.2199, 1.9189

Previews

White Background



This preview shows how the XYZ color 38.4173, 24.9198, 97.3929 looks on a white background.

Color Contrast Check

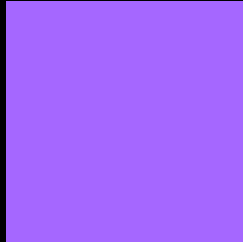
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.4173, 24.9198, 97.3929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

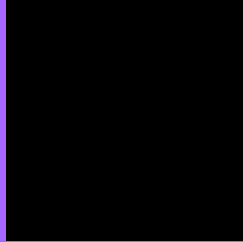
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.4173, 24.9198, 97.3929

Background



This preview shows how black text looks on a background with the XYZ color 38.4173, 24.9198, 97.3929.



This preview shows how white text looks on a background with the XYZ color 38.4173, 24.9198,

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

38.4173, 24.9198, 97.3929

Protanopia

29.0361, 25.3347, 97.9675

Deuteranopia

26.0211, 25.1806, 91.4846



Tritanopia

24.7145, 24.8146, 29.8727

Trichromacy



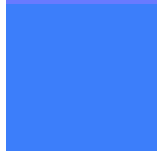
Original Color

38.4173, 24.9198, 97.3929



Protanomaly

30.8352, 24.1423, 97.6425



Deuteranomaly

26.5797, 22.7845, 93.4394



Tritanomaly

28.3124, 24.1106, 48.5090

Monochromacy



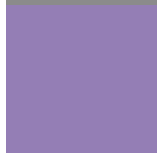
Original Color

38.4173, 24.9198, 97.3929



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

28.0141, 24.5538, 46.9789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4173, 24.9198, 97.3929 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(165, 103, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 103, 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(165, 103, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 103, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.4173, 24.9198, 97.3929 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(165, 103, 255) }
```


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

```
.border{ border-color:rgb(165, 103, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 103, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 103, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 103, 255);  
box-shadow:4px 4px 4px 4px rgb(165, 103,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4173, 24.9198, 97.3929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 103, 255) }
```

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

```
.background{ background-color: rgb(165,  
103, 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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