

Converting Colors

XYZ(38.3681, 26.8614, 87.1682)

Have a look what the booklet for
XYZ(38.3681, 26.8614, 87.1682)
contains.

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Color

**XYZ(38.4065, 26.8804,
87.1686)**

Conversions

Conversions Part 1

Format	Color
Hex	A972F2
RGB	169, 114, 242
RGB Percent	66%, 45%, 95%
CMY	0.3372, 0.5529, 0.0510
CMYK	0.30, 0.53, 0.00, 0.05
HSL	266°, 83%, 70%
HSV	266°, 53%, 95%
XYZ	38.4065, 26.8804, 87.1686
YIQ	145.0370, -8.3080, 51.4680

Conversions

Conversions Part 2

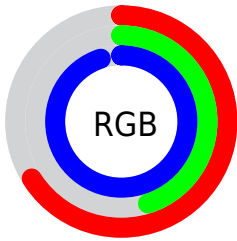
Format	Color
R_{YB}	169, 114, 242
Decimal	11105010
CIE _{Lab}	58.86, 46.96, -56.63
CIE _{LCh}	59, 73.572, 309.668
Yxy	26.8804, 0.2519, 0.1763
Android (android.graphics.Color)	4289295090 (0xFFA972F2)
YUV	145.0370, 47.8028, 21.0156
Hunter-Lab	51.8463, 41.4975, -63.3912

Details

The XYZ color **38.4065, 26.8804, 87.1686** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **55.2832, 75.2844, 27.5379**, and the grayscale version is **26.7440, 28.1368, 30.6410**.

A 20% lighter version of the original color is **63.5473, 51.1883, 101.1388**, and **17.3445, 10.5685, 47.0247** is the 20% darker color. If you saturate the color by 10%, you get **33.2230, 20.6784, 86.2452**, and if you desaturate by 10%, it is **44.6267, 34.6893, 88.3485**.

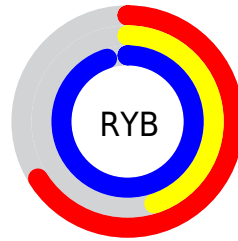
Distribution



Red (66%)

Green (45%)

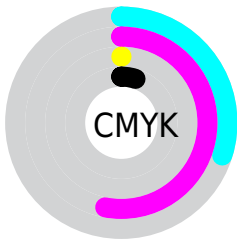
Blue (95%)



Red (66%)

Yellow (45%)

Blue (95%)

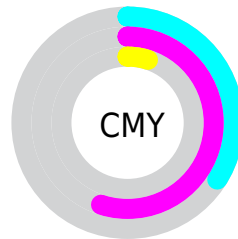


Cyan (30%)

Magenta (53%)

Yellow (0%)

Black (5%)



Cyan (34%)

Magenta (55%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4065, 26.8804, 87.1686 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 38.4065, 26.8804, 87.1686 by changing the saturation by 10% instead.

38.4065, 26.8804,
87.1686

38.4065, 26.8804,
87.1686

330.6113,
287.0776, 539.1073

26.4770, 17.4834,
65.0743

72.0307, 54.6919,
145.3001

17.3154, 10.5798,
47.0696

94.4560, 73.8752,
182.1743

10.5563, 5.7850,
32.7360

121.1107, 97.0894,
224.8123

5.8344, 2.7148,
21.6548

152.3600,
124.7189, 273.6326

2.7843, 0.9847,
13.4076

188.5694,
157.1480, 329.0537

1.0408, 0.0000,
7.5758

230.1042,

0.0000, 0.0000,

194.7613, 391.4941

3.7409

277.3297,
237.9430, 461.3725

■ 0.0000, 0.0000,
1.4843

■ 0.0000, 0.0000,
0.2062

■ 38.4065, 26.8804,
87.1686

■ 38.4065, 26.8804,
87.1686

■ 33.2230, 20.6784,
86.2452

■ 44.6267, 34.6893,
88.3485

■ 29.0050, 15.9589,
85.5566

■ 51.9414, 44.2107,
89.8008

■ 25.6760, 12.5829,
85.0804

■ 60.4077, 55.5446,
91.5423

■ 23.1439, 10.3819,
84.7890

■ 70.0775, 68.7820,
93.5877

■ 21.7346, 9.3532,
84.6647

■ 80.9994, 84.0079,
95.9509

■ 91.8636, 98.5910,
98.1932

■ 93.0271, 99.1908,
98.2476

Harmonies

Analogous

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



28.5976, 26.8804, 111.5210



38.4065, 26.8804, 87.1686



45.6886, 26.8804, 50.3295

Triad

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



38.4065, 26.8804, 87.1686



32.1148, 26.8804, 2.9526



11.9037, 26.8804, 38.5034

Complementary

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



38.4065, 26.8804, 87.1686



55.2832, 75.2844, 27.5379

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.



12.4161, 26.8804, 15.0951



38.4065, 26.8804, 87.1686



22.7252, 26.8804, 2.4610

Square

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



38.4065, 26.8804, 87.1686



41.4998, 26.8804, 7.5349



15.9386, 26.8804, 5.1742



14.3199, 26.8804, 74.2498

Rectangle

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



38.4065, 26.8804, 87.1686



47.3112, 26.8804, 29.5592



15.9386, 26.8804, 5.1742



11.7553, 26.8804, 28.9790

Sweetspot

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



38.4076, 26.8814, 87.1692



75.3389, 72.5254, 104.6358



41.0931, 46.2409, 90.7645



15.6395, 14.8570, 22.2933



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.



38.4076, 26.8814, 87.1692



37.2664, 23.1147, 97.1052



55.1076, 35.4906, 87.9508



15.5414, 15.5608, 19.9060



11.8254, 5.1016, 45.4893



1.0955, 0.4820, 3.7895

Inverse Universe

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



51.6054, 34.5004, 50.9528



54.1335, 32.8716, 49.9285



43.1989, 69.0547, 26.9724



16.1505, 15.9099, 18.3490



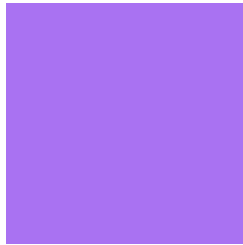
22.2062, 11.1549, 14.2685



1.8971, 0.9479, 1.4490

Previews

White Background



This preview shows how the XYZ color 38.4065, 26.8804, 87.1686 looks on a white background.

Color Contrast Check

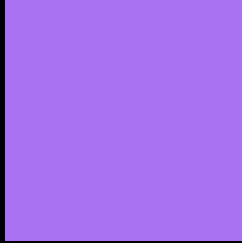
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.4065, 26.8804, 87.1686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

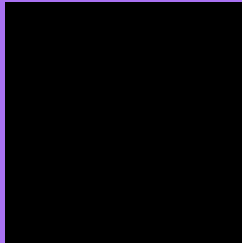
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.4065, 26.8804, 87.1686

Background



This preview shows how black text looks on a background with the XYZ color 38.4065, 26.8804, 87.1686.



This preview shows how white text looks on a background with the XYZ color 38.4065, 26.8804,

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

38.4065, 26.8804, 87.1686

Protanopia

30.8848, 27.3283, 98.2548

Deuteranopia

28.1872, 27.3633, 83.1529



Tritanopia

27.1963, 26.8944, 31.7747

Trichromacy



Original Color

38.4065, 26.8804, 87.1686



Protanomaly

32.3080, 26.3156, 93.8191



Deuteranomaly

30.3660, 26.1203, 84.3302



Tritanomaly

30.3943, 26.3470, 47.7395

Monochromacy



Original Color

38.4065, 26.8804, 87.1686



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

30.0897, 27.2155, 46.8472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4065, 26.8804, 87.1686 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(169, 114, 242)` looks like.

```
.text, #text, p{  
    color:rgb(169, 114, 242)  
}
```

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(169, 114, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 114, 242) }
```

Border

The CSS property to change the border of an element to XYZ 38.4065, 26.8804, 87.1686 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(169, 114, 242) }
```


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

```
.border{ border-color:rgb(169, 114, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 114, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 114, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 114, 242);  
box-shadow:4px 4px 4px 4px rgb(169, 114,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4065, 26.8804, 87.1686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 114, 242) }
```

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

```
.background{ background-color: rgb(169,  
114, 242) }
```

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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