

Converting Colors

XYZ(38.4237, 32.0213, 71.9407)

Have a look what the booklet for
XYZ(38.4237, 32.0213, 71.9407)
contains.

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Color

**XYZ(38.5131, 32.0676,
71.8699)**

Conversions

Conversions Part 1

Format	Color
Hex	A98BDC
RGB	169, 139, 220
RGB Percent	66%, 55%, 86%
CMY	0.3372, 0.4549, 0.1373
CMYK	0.23, 0.37, 0.00, 0.14
HSL	262°, 54%, 70%
HSV	262°, 37%, 86%
XYZ	38.5131, 32.0676, 71.8699
YIQ	157.2040, -8.1210, 31.5510

Conversions

Conversions Part 2

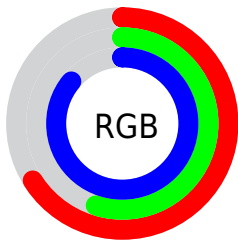
Format	Color
R_{YB}	169, 139, 220
Decimal	11111388
CIE _{Lab}	63.40, 27.76, -37.24
CIE _{LCh}	63, 46.449, 306.697
Yxy	32.0676, 0.2704, 0.2251
Android (android.graphics.Color)	4289301468 (0xFFA98BDC)
YUV	157.2040, 30.9584, 10.3451
Hunter-Lab	56.6283, 22.2991, -35.6083

Details

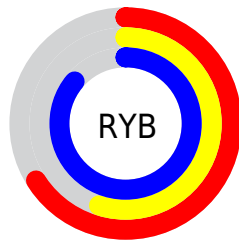
The XYZ color **38.5131, 32.0676, 71.8699** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **51.4894, 63.9983, 34.0665**, and the grayscale version is **32.0082, 33.6752, 36.6722**.

A 20% lighter version of the original color is **68.1713, 61.3675, 102.8598**, and **17.4341, 13.5062, 37.2854** is the 20% darker color. If you saturate the color by 10%, you get **32.8266, 24.8742, 70.7817**, and if you desaturate by 10%, it is **45.1577, 40.7077, 73.1880**.

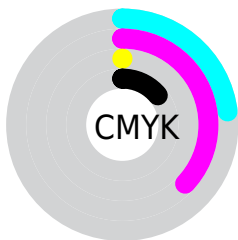
Distribution



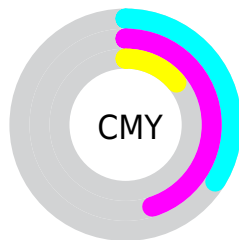
- Red (66%)
- Green (55%)
- Blue (86%)



- Red (66%)
- Yellow (55%)
- Blue (86%)



- Cyan (23%)
- Magenta (37%)
- Yellow (0%)
- Black (14%)



- Cyan (34%)
- Magenta (45%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5131, 32.0676, 71.8699 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 38.5131, 32.0676, 71.8699 by changing the saturation by 10% instead.

■ 38.5131, 32.0676,
71.8699

■ 38.5131, 32.0676,
71.8699

331.0589,
311.4271, 486.0540

■ 26.5602, 21.4131,
52.5662

■ 72.1928, 62.9170,
123.5775

■ 17.3781, 13.4263,
37.0712

■ 94.6502, 83.8808,
156.8186

■ 10.6014, 7.7228,
24.9664

■ 121.3399,
109.0498, 195.5425

■ 5.8648, 3.9181,
15.8333

152.6271,
138.8085, 240.1678

■ 2.8029, 1.6278,
9.2532

188.8772,
173.5411, 291.1131

■ 1.0504, 0.3763,
4.8076

230.4557,

■ 0.0000, 0.0000,

213.6322, 348.7969

2.0781

277.7278,
259.4660, 413.6376

■ 0.0000, 0.0000,
0.6027

■ 0.0000, 0.0000,
0.0000

■ 38.5131, 32.0676,
71.8699

■ 38.5131, 32.0676,
71.8699

■ 32.8266, 24.8742,
70.7817

■ 45.1577, 40.7077,
73.1880

■ 28.0463, 19.0413,
69.9078

■ 52.8017, 50.8665,
74.7459

■ 24.1203, 14.4793,
69.2341

■ 61.4881, 62.6154,
76.5559

■ 20.9892, 11.0856,
68.7441

■ 71.2562, 76.0204,
78.6284

■ 18.5850, 8.7409,
68.4183

■ 82.1431, 91.1435,
80.9737

■ 16.8222, 7.2927,
68.2316

■ 88.8644, 97.4040,
81.8278

■ 16.3532, 6.9381,
68.1879

■ 89.9184, 97.9473,
81.8772

Harmonies

Analogous

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



31.9495, 32.0676, 83.4471



38.5131, 32.0676, 71.8699



43.3568, 32.0676, 50.9480

Triad

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



38.5131, 32.0676, 71.8699



35.6570, 32.0676, 11.3894



19.7406, 32.0676, 39.2271

Complementary

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



38.5131, 32.0676, 71.8699



51.4894, 63.9983, 34.0665

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.



20.4432, 32.0676, 22.6588



38.5131, 32.0676, 71.8699



29.0549, 32.0676, 10.1762

Square

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



38.5131, 32.0676, 71.8699



41.5520, 32.0676, 17.6925



23.6484, 32.0676, 13.4684



21.5723, 32.0676, 60.7528

Rectangle

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



38.5131, 32.0676, 71.8699



44.6234, 32.0676, 37.0043



23.6484, 32.0676, 13.4684



19.6927, 32.0676, 32.9081

Sweetspot

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



38.5142, 32.0689, 71.8706



80.5438, 80.1938, 105.8416



42.0453, 47.6143, 74.6851



16.8844, 16.6842, 22.5804



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.



38.5142, 32.0689, 71.8706



47.6950, 37.0393, 99.2432



48.5029, 37.2182, 72.3381



12.7919, 12.8509, 16.4584



9.7105, 4.1301, 40.0238



0.7223, 0.3156, 2.5973

Inverse Universe

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



48.0430, 37.3997, 53.4028



63.0992, 45.6716, 68.7365



42.7953, 59.5163, 33.6596



13.3992, 13.1888, 15.3633



20.0920, 10.0379, 15.3966



1.3427, 0.6667, 1.2138

Previews

White Background



This preview shows how the XYZ color 38.5131, 32.0676, 71.8699 looks on a white background.

Color Contrast Check

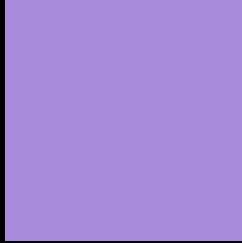
Large Text (above 18pt) WCAG AA × Fail

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 38.5131, 32.0676, 71.8699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

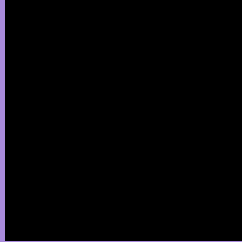
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.5131, 32.0676, 71.8699

Background



This preview shows how black text looks on a background with the XYZ color 38.5131, 32.0676, 71.8699.



This preview shows how white text looks on a background with the XYZ color 38.5131, 32.0676,

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

38.5131, 32.0676, 71.8699

Protanopia

34.1019, 32.3584, 79.3113

Deuteranopia

32.9585, 32.2121, 70.1261



Tritanopia

31.9755, 32.1485, 39.1703

Trichromacy



Original Color

38.5131, 32.0676, 71.8699

Protanomaly

35.3165, 32.1092, 76.2878

Deuteranomaly

34.5902, 31.8587, 70.6559

Tritanomaly

34.1897, 32.1147, 49.7442

Monochromacy



Original Color

38.5131, 32.0676, 71.8699

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

33.8425, 32.6850, 47.7052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5131, 32.0676, 71.8699 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, 139, 220)` looks like.

```
.text, #text, p{  
    color:rgb(169, 139, 220)  
}
```

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, 139, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 139, 220) }
```

Border

The CSS property to change the border of an element to XYZ 38.5131, 32.0676, 71.8699 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, 139, 220) }
```


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

```
.border{ border-color:rgb(169, 139, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 139, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 139, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 139, 220);  
box-shadow:4px 4px 4px 4px rgb(169, 139,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5131, 32.0676, 71.8699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 139, 220) }
```

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

```
.background{ background-color: rgb(169,  
139, 220) }
```

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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