

Converting Colors

XYZ(38.5686, 31.7893, 77.8135)

Have a look what the booklet for
XYZ(38.5686, 31.7893, 77.8135)
contains.

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Color

**XYZ(38.4019, 31.6709,
77.4879)**

Conversions

Conversions Part 1

Format	Color
Hex	A48AE4
RGB	164, 138, 228
RGB Percent	64%, 54%, 89%
CMY	0.3569, 0.4588, 0.1059
CMYK	0.28, 0.39, 0.00, 0.11
HSL	257°, 63%, 72%
HSV	257°, 39%, 89%
XYZ	38.4019, 31.6709, 77.4879
YIQ	156.0340, -13.3940, 33.5020

Conversions

Conversions Part 2

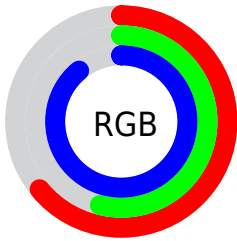
Format	Color
RYB	164, 138, 228
Decimal	10783460
CIELab	63.07, 28.82, -42.23
CIELCh	63, 51.129, 304.307
Yxy	31.6709, 0.2602, 0.2146
Android (android.graphics.Color)	4288973540 (0xFFA48AE4)
YUV	156.0340, 35.4792, 6.9862
Hunter-Lab	56.2769, 23.3192, -42.2428

Details

The XYZ color **38.4019, 31.6709, 77.4879** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **56.6887, 69.8790, 34.5461**, and the grayscale version is **31.4671, 33.1058, 36.0522**.

A 20% lighter version of the original color is **66.7184, 60.2914, 102.7287**, and **17.3665, 13.2730, 40.6764** is the 20% darker color. If you saturate the color by 10%, you get **32.3323, 24.1856, 76.3636**, and if you desaturate by 10%, it is **45.5869, 40.7517, 78.8625**.

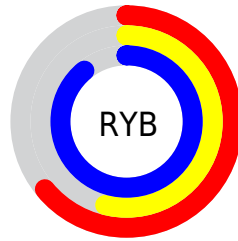
Distribution



Red (64%)

Green (54%)

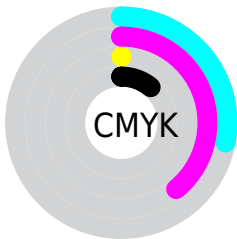
Blue (89%)



Red (64%)

Yellow (54%)

Blue (89%)

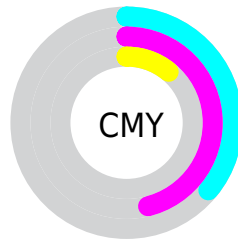


Cyan (28%)

Magenta (39%)

Yellow (0%)

Black (11%)



Cyan (36%)

Magenta (46%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4019, 31.6709, 77.4879 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 38.4019, 31.6709, 77.4879 by changing the saturation by 10% instead.

■ 38.4019, 31.6709,
77.4879

■ 38.4019, 31.6709,
77.4879

330.5920,
309.6174, 505.9077

■ 26.4734, 21.1103,
57.1395

■ 72.0237, 62.2948,
131.6073

■ 17.3127, 13.2046,
40.7071

■ 94.4476, 83.1269,
166.2153

■ 10.5543, 7.5696,
27.7723

■ 121.1008,
108.1515, 206.4135

■ 5.8331, 3.8208,
17.9166

152.3485,
137.7531, 252.6206

■ 2.7835, 1.5738,
10.7213

188.5561,
172.3161, 305.2550

■ 1.0404, 0.3399,
5.7679

230.0890,

■ 0.0000, 0.0000,

212.2249, 364.7353

2.6380

277.3125,
257.8638, 431.4800

■ 0.0000, 0.0000,
0.9120

■ 0.0000, 0.0000,
0.0000

■ 38.4019, 31.6709,
77.4879

■ 38.4019, 31.6709,
77.4879

■ 32.3323, 24.1856,
76.3636

■ 45.5869, 40.7517,
78.8625

■ 27.3154, 18.1972,
75.4721

■ 53.9387, 51.5113,
80.4992

■ 23.2872, 13.6018,
74.7974

■ 63.5092, 64.0313,
82.4113

■ 20.1743, 10.2799,
74.3203

■ 74.3465, 78.3870,
84.6111

■ 17.8921, 8.0910,
74.0181

■ 86.4955, 94.6494,
87.1097

■ 16.3126, 6.8111,
73.8543

■ 91.0037, 98.3815,
87.5925

■ 16.2416, 6.7552,
73.8472

Harmonies

Analogous

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



31.1312, 31.6709, 89.4474



38.4019, 31.6709, 77.4879



44.0352, 31.6709, 54.1891

Triad

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



38.4019, 31.6709, 77.4879



36.3661, 31.6709, 10.0061



18.5130, 31.6709, 37.4809

Complementary

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



38.4019, 31.6709, 77.4879



56.6887, 69.8790, 34.5461

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.



19.4701, 31.6709, 20.2497



38.4019, 31.6709, 77.4879



29.0962, 31.6709, 8.4600

Square

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



38.4019, 31.6709, 77.4879



42.7370, 31.6709, 16.9128



23.0939, 31.6709, 11.3383



20.2410, 31.6709, 61.3010

Rectangle

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



38.4019, 31.6709, 77.4879



45.6956, 31.6709, 38.4780



23.0939, 31.6709, 11.3383



18.5337, 31.6709, 30.7768

Sweetspot

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



38.4031, 31.6721, 77.4886



78.4960, 78.1107, 105.5474



45.7238, 53.4818, 81.3125



16.4465, 16.2536, 22.5204



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.



38.4031, 31.6721, 77.4886



43.2637, 33.1107, 98.7185



49.2462, 37.2620, 77.9961



13.9720, 14.0878, 18.1271



9.4802, 3.9531, 42.6465



0.7902, 0.3384, 3.1556

Inverse Universe

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



51.7448, 38.9362, 60.6659



62.8930, 43.8171, 73.1142



46.3342, 64.5411, 34.0615



14.8083, 14.5405, 17.1909



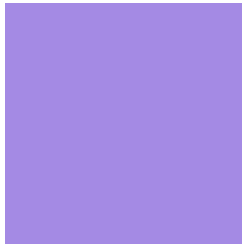
22.3014, 11.0548, 21.0139



1.6878, 0.8328, 1.7623

Previews

White Background



This preview shows how the XYZ color 38.4019, 31.6709, 77.4879 looks on a white background.

Color Contrast Check

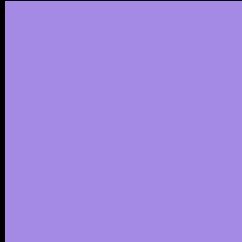
Large Text (above 18pt) WCAG AA × Fail

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 38.4019, 31.6709, 77.4879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

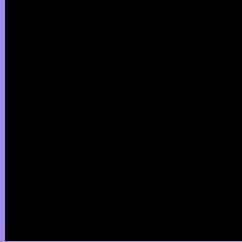
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.4019, 31.6709, 77.4879

Background



This preview shows how black text looks on a background with the XYZ color 38.4019, 31.6709, 77.4879.



This preview shows how white text looks on a background with the XYZ color 38.4019, 31.6709,

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

38.4019, 31.6709, 77.4879

Protanopia

34.0847, 31.9788, 85.2650

Deuteranopia

32.7040, 31.9577, 75.6789



Tritanopia

30.8780, 31.8122, 39.6349

Trichromacy



Original Color

38.4019, 31.6709, 77.4879

Protanomaly

35.2835, 31.7325, 82.1072

Deuteranomaly

34.4777, 31.6768, 76.2486

Tritanomaly

33.1137, 31.5232, 51.3530

Monochromacy



Original Color

38.4019, 31.6709, 77.4879

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

33.4890, 32.2432, 48.7145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4019, 31.6709, 77.4879 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, 138, 228)` looks like.

```
.text, #text, p{  
    color:rgb(164, 138, 228)  
}
```

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, 138, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 138, 228) }
```

Border

The CSS property to change the border of an element to XYZ 38.4019, 31.6709, 77.4879 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, 138, 228) }
```


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

```
.border{ border-color:rgb(164, 138, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 138, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 138, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 138, 228); box-shadow:4px 4px 4px 4px rgb(164, 138, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4019, 31.6709, 77.4879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 138, 228) }
```

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

```
.background{ background-color: rgb(164,  
138, 228) }
```

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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