

Converting Colors

XYZ(38.1190, 28.3937, 80.5097)

Have a look what the booklet for
XYZ(38.1190, 28.3937, 80.5097)
contains.

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Color

**XYZ(38.1531, 28.4841,
80.5779)**

Conversions

Conversions Part 1

Format	Color
Hex	A97BE9
RGB	169, 123, 233
RGB Percent	66%, 48%, 91%
CMY	0.3372, 0.5176, 0.0863
CMYK	0.27, 0.47, 0.00, 0.09
HSL	265°, 71%, 70%
HSV	265°, 47%, 91%
XYZ	38.1531, 28.4841, 80.5779
YIQ	149.2940, -7.8940, 43.9620

Conversions

Conversions Part 2

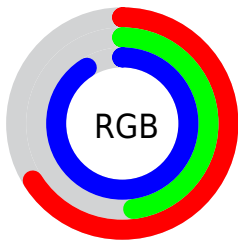
Format	Color
R _{YB}	169, 123, 233
Decimal	11107305
CIE _{Lab}	60.32, 39.86, -49.31
CIE _{LCh}	60, 63.404, 308.946
Y _{xy}	28.4841, 0.2592, 0.1935
Android (android.graphics.Color)	4289297385 (0xFFA97BE9)
YUV	149.2940, 41.2671, 17.2822
Hunter-Lab	53.3705, 34.2064, -52.1557

Details

The XYZ color **38.1531, 28.4841, 80.5779** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **53.2081, 70.2732, 29.4996**, and the grayscale version is **28.5258, 30.0113, 32.6823**.

A 20% lighter version of the original color is **64.9394, 54.4394, 101.6929**, and **17.2578, 11.5168, 42.9084** is the 20% darker color. If you saturate the color by 10%, you get **32.8403, 21.9535, 79.5979**, and if you desaturate by 10%, it is **44.4574, 36.5478, 81.8026**.

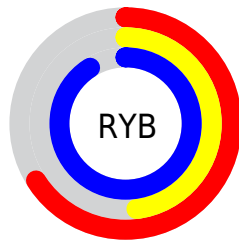
Distribution



Red (66%)

Green (48%)

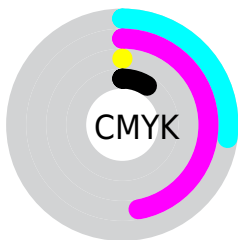
Blue (91%)



Red (66%)

Yellow (48%)

Blue (91%)

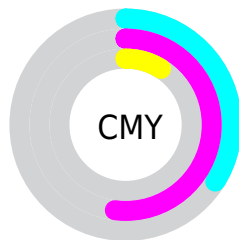


Cyan (27%)

Magenta (47%)

Yellow (0%)

Black (9%)



Cyan (34%)


Magenta (52%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1531, 28.4841, 80.5779 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 38.1531, 28.4841, 80.5779 by changing the saturation by 10% instead.


 38.1531, 28.4841,
80.5779


 38.1531, 28.4841,
80.5779


329.5458,
294.7730, 516.6363


 26.2793, 18.6909,
59.6651


 71.6451, 57.2564,
135.9967

 17.1665, 11.4471,
42.7252


 93.9941, 77.0043,
171.3396

 10.4493, 6.3684,
29.3398

 120.5654,
100.8392, 212.3298

 5.7624, 3.0704,
19.0902

151.7245,
129.1456, 259.3856

 2.7404, 1.1686,
11.5580

187.8367,
162.3077, 312.9256

 1.0180, 0.0358,
6.3246

229.2675,

 0.0000, 0.0000,

200.7101, 373.3683

2.9715

276.3820,
244.7370, 441.1324

■ 0.0000, 0.0000,
1.0801

■ 0.0000, 0.0000,
0.0000

■ 38.1531, 28.4841,
80.5779

■ 38.1531, 28.4841,
80.5779

■ 32.8403, 21.9535,
79.5979

■ 44.4574, 36.5478,
81.8026

■ 28.4569, 16.8489,
78.8436

■ 51.8034, 46.2353,
83.2853

■ 24.9383, 13.0540,
78.2966

■ 60.2415, 57.6338,
85.0407

■ 22.2085, 10.4316,
77.9343

■ 69.8177, 70.8233,
87.0818

■ 20.1704, 8.8039,
77.7275

■ 80.5751, 85.8786,
89.4208

■ 19.6847, 8.4488,
77.6846

■ 90.0144, 97.7901,
91.2224

■ 91.7081, 98.6632,
91.3017

Harmonies

Analogous

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



29.5812, 28.4841, 99.7213



38.1531, 28.4841, 80.5779



44.4668, 28.4841, 50.0678

Triad

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



38.1531, 28.4841, 80.5779



33.0950, 28.4841, 5.1696



14.3674, 28.4841, 38.5212

Complementary

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



38.1531, 28.4841, 80.5779



53.2081, 70.2732, 29.4996

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.



14.9348, 28.4841, 17.5362



38.1531, 28.4841, 80.5779



24.7113, 28.4841, 4.4633

Square

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



38.1531, 28.4841, 80.5779



41.1635, 28.4841, 10.5076



18.3776, 28.4841, 7.5816



16.6327, 28.4841, 68.5908

Rectangle

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



38.1531, 28.4841, 80.5779



45.9337, 28.4841, 31.8461



18.3776, 28.4841, 7.5816



14.2446, 28.4841, 30.1972

Sweetspot

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



38.1542, 28.4852, 80.5786



77.4669, 75.5710, 105.1115



40.6829, 45.7065, 83.7693



16.0551, 15.4547, 22.3868



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.



38.1542, 28.4852, 80.5786



40.2598, 26.8910, 97.6763



52.4805, 35.8707, 81.2490



14.8281, 14.8567, 19.0083



11.3034, 4.8630, 44.0859



0.9950, 0.4372, 3.4668

Inverse Universe

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



49.6575, 35.0783, 51.1676



56.5401, 36.2412, 55.1815



42.2567, 64.6276, 28.9870



15.4330, 15.2010, 17.5654



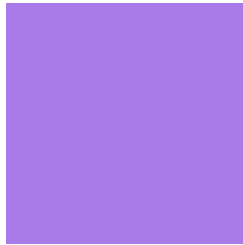
21.6349, 10.8567, 14.4107



1.7467, 0.8716, 1.3833

Previews

White Background



This preview shows how the XYZ color 38.1531, 28.4841, 80.5779 looks on a white background.

Color Contrast Check

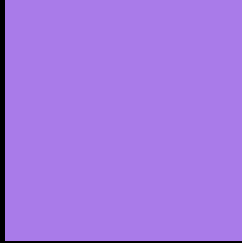
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.1531, 28.4841, 80.5779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

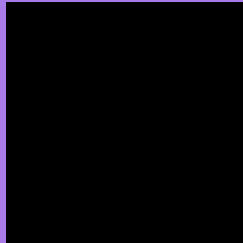
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.1531, 28.4841, 80.5779

Background



This preview shows how black text looks on a background with the XYZ color 38.1531, 28.4841, 80.5779.



This preview shows how white text looks on a background with the XYZ color 38.1531, 28.4841,

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

38.1531, 28.4841, 80.5779

Protanopia

32.1226, 28.9077, 95.1535

Deuteranopia

29.4958, 28.6189, 77.3682



Tritanopia

28.7492, 28.5159, 34.1259

Trichromacy



Original Color

38.1531, 28.4841, 80.5779

Protanomaly

33.3053, 28.1447, 89.2650

Deuteranomaly

31.8328, 28.0401, 78.5974

Tritanomaly

31.4055, 28.0763, 48.0200

Monochromacy



Original Color

38.1531, 28.4841, 80.5779

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

31.3266, 29.1194, 47.1495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1531, 28.4841, 80.5779 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, 123, 233)` looks like.

```
.text, #text, p{  
    color:rgb(169, 123, 233)  
}
```

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, 123, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 123, 233) }
```

Border

The CSS property to change the border of an element to XYZ 38.1531, 28.4841, 80.5779 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, 123, 233) }
```


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

```
.border{ border-color:rgb(169, 123, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 123, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 123, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 123, 233);  
box-shadow:4px 4px 4px 4px rgb(169, 123,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1531, 28.4841, 80.5779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 123, 233) }
```

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

```
.background{ background-color: rgb(169,  
123, 233) }
```

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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