

Converting Colors

XYZ(41.8642, 36.4255, 76.7764)

Have a look what the booklet for
XYZ(41.8642, 36.4255, 76.7764)
contains.

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Color

**XYZ(41.8073, 36.3949,
76.7729)**

Conversions

Conversions Part 1

Format	Color
Hex	AC97E2
RGB	172, 151, 226
RGB Percent	67%, 59%, 89%
CMY	0.3255, 0.4078, 0.1137
CMYK	0.24, 0.33, 0.00, 0.11
HSL	257°, 56%, 74%
HSV	257°, 33%, 89%
XYZ	41.8073, 36.3949, 76.7729
YIQ	165.8290, -11.5590, 27.7770

Conversions

Conversions Part 2

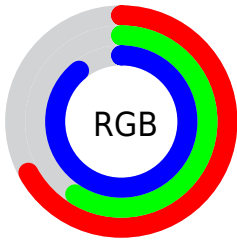
Format	Color
RYB	172, 151, 226
Decimal	11311074
CIELab	66.82, 23.27, -35.22
CIELCh	67, 42.210, 303.455
Yxy	36.3949, 0.2698, 0.2348
Android (android.graphics.Color)	4289501154 (0xFFAC97E2)
YUV	165.8290, 29.6643, 5.4120
Hunter-Lab	60.3282, 18.1258, -33.2220

Details

The XYZ color **41.8073, 36.3949, 76.7729** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **57.9602, 69.6071, 39.6604**, and the grayscale version is **36.0294, 37.9057, 41.2793**.

A 20% lighter version of the original color is **71.8762, 67.3766, 103.8244**, and **19.2841, 15.8682, 40.0767** is the 20% darker color. If you saturate the color by 10%, you get **35.1576, 28.0759, 75.5183**, and if you desaturate by 10%, it is **49.5939, 46.3365, 78.2820**.

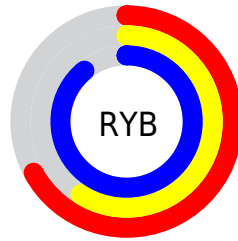
Distribution



Red (67%)

Green (59%)

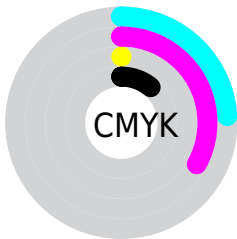
Blue (89%)



Red (67%)

Yellow (59%)

Blue (89%)

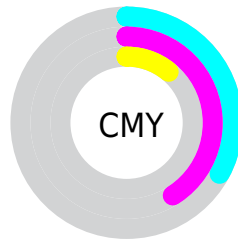


Cyan (24%)

Magenta (33%)

Yellow (0%)

Black (11%)



Cyan (33%)

Magenta (41%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8073, 36.3949, 76.7729 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 41.8073, 36.3949, 76.7729 by changing the saturation by 10% instead.

41.8073, 36.3949,
76.7729

41.8073, 36.3949,
76.7729

344.6887,
330.6833, 503.4065

29.1409, 24.7393,
56.5561

77.1749, 69.6412,
130.5889

19.3322, 15.8830,
40.2419

100.6068, 92.0006,
165.0252

12.0160, 9.4414,
27.4120

128.3579,
118.6969, 205.0384

6.8269, 5.0302,
17.6477

160.7935,
150.1143, 251.0470

3.3994, 2.2650,
10.5306

198.2791,
186.6372, 303.4695

1.3683, 0.7551,
5.6419

241.1799,

0.2335, 0.0000,

228.6501, 362.7246

2.5634

289.8613,
276.5373, 429.2307

■ 0.0000, 0.0000,
0.8735

■ 0.0000, 0.0000,
0.0000

■ 41.8073, 36.3949,
76.7729

■ 41.8073, 36.3949,
76.7729

■ 35.1576, 28.0759,
75.5183

■ 49.5939, 46.3365,
78.2820

■ 29.5855, 21.2871,
74.5016

■ 58.5655, 57.9777,
80.0562

■ 25.0314, 15.9334,
73.7082

■ 68.7717, 71.3956,
82.1081

■ 21.4282, 11.9068,
73.1209

■ 80.2581, 86.6613,
84.4493

■ 18.6999, 9.0834,
72.7198

■ 90.1280, 97.9619,
86.1104

■ 16.7567, 7.3147,
72.4808

■ 90.7276, 98.2710,
86.1384

■ 15.7953, 6.5570,
72.3852

Harmonies

Analogous

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



35.3370, 36.3949, 86.0742



41.8073, 36.3949, 76.7729



46.7713, 36.3949, 57.4989

Triad

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



41.8073, 36.3949, 76.7729



40.3709, 36.3949, 15.7709



23.7327, 36.3949, 41.7836

Complementary

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



41.8073, 36.3949, 76.7729



57.9602, 69.6071, 39.6604

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.



24.7354, 36.3949, 25.9062



41.8073, 36.3949, 76.7729



33.8581, 36.3949, 13.8820

Square

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



41.8073, 36.3949, 76.7729



45.8730, 36.3949, 23.2403



28.2591, 36.3949, 16.9447



25.3314, 36.3949, 62.3294

Rectangle

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



41.8073, 36.3949, 76.7729



48.2709, 36.3949, 43.7700



28.2591, 36.3949, 16.9447



23.7776, 36.3949, 35.7557

Sweetspot

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



41.8086, 36.3963, 76.7737



81.0128, 81.4783, 106.0648



48.5624, 56.2141, 80.2430



16.9467, 16.9242, 22.6235



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.



41.8086, 36.3963, 76.7737



48.6287, 39.8940, 99.7450



50.9484, 41.1081, 77.2015



13.3106, 13.4281, 17.2780



9.1110, 3.7922, 41.3001



0.7173, 0.3071, 2.8667

Inverse Universe

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



53.4512, 42.7112, 63.1858



66.4193, 49.5577, 78.3338



49.0385, 65.0078, 39.2429



14.1228, 13.8667, 16.4167



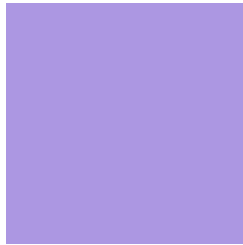
21.7035, 10.7484, 20.9020



1.5419, 0.7600, 1.6466

Previews

White Background



This preview shows how the XYZ color 41.8073, 36.3949, 76.7729 looks on a white background.

Color Contrast Check

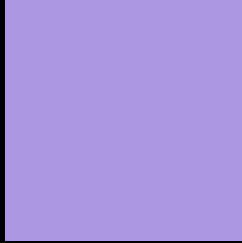
Large Text (above 18pt) WCAG AA × Fail

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 41.8073, 36.3949, 76.7729 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 41.8073, 36.3949, 76.7729

Background



This preview shows how black text looks on a background with the XYZ color 41.8073, 36.3949, 76.7729.



This preview shows how white text looks on a background with the XYZ color 41.8073, 36.3949,

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

41.8073, 36.3949, 76.7729

Protanopia

37.9262, 36.5138, 82.1397

Deuteranopia

37.5271, 36.7112, 75.6291



Tritanopia

35.2851, 36.2271, 45.1772

Trichromacy



Original Color

41.8073, 36.3949, 76.7729

Protanomaly

39.1024, 36.4064, 79.8291

Deuteranomaly

38.9740, 36.4202, 76.2098

Tritanomaly

37.4085, 36.0712, 55.4429

Monochromacy



Original Color

41.8073, 36.3949, 76.7729

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

37.9704, 37.4454, 52.8034

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8073, 36.3949, 76.7729 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(172, 151, 226)` looks like.

```
.text, #text, p{  
    color:rgb(172, 151, 226)  
}
```

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(172, 151, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 151, 226) }
```

Border

The CSS property to change the border of an element to XYZ 41.8073, 36.3949, 76.7729 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(172, 151, 226) }
```


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

```
.border{ border-color:rgb(172, 151, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 151, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 151, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 151, 226);  
box-shadow:4px 4px 4px 4px rgb(172, 151,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8073, 36.3949, 76.7729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 151, 226) }
```

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

```
.background{ background-color: rgb(172,  
151, 226) }
```

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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