

Converting Colors

XYZ(42.0879, 40.2402, 70.5166)

Have a look what the booklet for
XYZ(42.0879, 40.2402, 70.5166)
contains.

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Color

**XYZ(41.9983, 40.1930,
70.5102)**

Conversions

Conversions Part 1

Format	Color
Hex	A8A5D8
RGB	168, 165, 216
RGB Percent	66%, 65%, 85%
CMY	0.3412, 0.3529, 0.1529
CMYK	0.22, 0.24, 0.00, 0.15
HSL	244°, 40%, 75%
HSV	244°, 24%, 85%
XYZ	41.9983, 40.1930, 70.5102
YIQ	171.7110, -14.5830, 16.4970

Conversions

Conversions Part 2

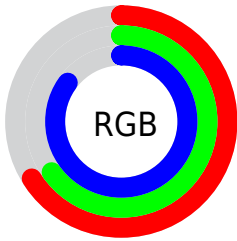
Format	Color
R _Y B	168, 165, 216
Decimal	11052504
CIE Lab	69.61, 11.84, -25.43
CIE LCh	70, 28.054, 294.959
Yxy	40.1930, 0.2750, 0.2632
Android (android.graphics.Color)	4289242584 (0xFFA8A5D8)
YUV	171.7110, 21.8345, -3.2545
Hunter-Lab	63.3979, 7.3018, -21.5628

Details

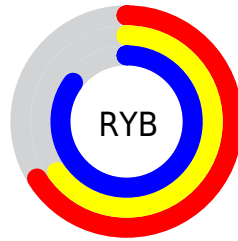
The XYZ color **41.9983, 40.1930, 70.5102** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **58.7891, 65.9754, 45.2351**, and the grayscale version is **38.9663, 40.9956, 44.6442**.

A 20% lighter version of the original color is **74.3837, 74.2537, 105.0197**, and **19.4084, 18.0283, 36.1751** is the 20% darker color. If you saturate the color by 10%, you get **34.4316, 30.9897, 69.1333**, and if you desaturate by 10%, it is **50.9022, 51.0643, 72.1400**.

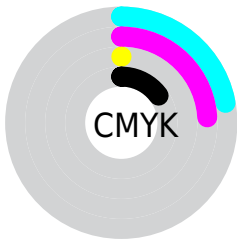
Distribution



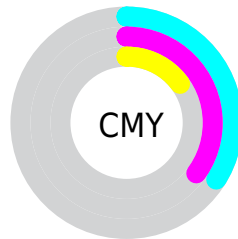
- Red (66%)
- Green (65%)
- Blue (85%)



- Red (66%)
- Yellow (65%)
- Blue (85%)



- Cyan (22%)
- Magenta (24%)
- Yellow (0%)
- Black (15%)



- Cyan (34%)
- Magenta (35%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9983, 40.1930, 70.5102 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 41.9983, 40.1930, 70.5102 by changing the saturation by 10% instead.

■ 41.9983, 40.1930,
70.5102

■ 41.9983, 40.1930,
70.5102

345.4676,
346.9364, 481.1768

■ 29.2911, 27.6891,
51.4632

■ 77.4622, 75.4573,
121.6240

■ 19.4465, 18.0914,
36.1981

■ 100.9496, 98.9865,
154.5278

■ 12.0993, 11.0156,
24.2963

128.7611,
126.9595, 192.8878

■ 6.8840, 6.0773,
15.3394

161.2621,
159.7608, 237.1222

■ 3.4353, 2.8922,
8.9086

198.8179,
197.7747, 287.6499

■ 1.3879, 1.0757,
4.5856

241.7938,

■ 0.2476, 0.0000,

241.3857, 344.8891

1.9518

290.5553,
290.9781, 409.2586

■ 0.0000, 0.0000,
0.5254

■ 0.0000, 0.0000,
0.0000

■ 41.9983, 40.1930,
70.5102

■ 41.9983, 40.1930,
70.5102

■ 34.4316, 30.9897,
69.1333

■ 50.9022, 51.0643,
72.1400

■ 28.1338, 23.3672,
67.9939

■ 61.1995, 63.6752,
74.0314

■ 23.0365, 17.2379,
67.0795

■ 72.9477, 78.0992,
76.1963

■ 19.0632, 12.5038,
66.3751

■ 86.2001, 94.4040,
78.6449

■ 16.1287, 9.0551,
65.8641

■ 89.3948, 97.7379,
79.1201

■ 14.1355, 6.7652,
65.5272

■ 12.9674, 5.4823,
65.3411

■ 12.5564, 5.0412,
65.2777

Harmonies

Analogous

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



37.4417, 40.1930, 73.6253



41.9983, 40.1930, 70.5102



45.7896, 40.1930, 59.7120

Triad

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



41.9983, 40.1930, 70.5102



43.4268, 40.1930, 26.3465



30.1632, 40.1930, 41.6070

Complementary

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



41.9983, 40.1930, 70.5102



58.7891, 65.9754, 45.2351

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.



31.5030, 40.1930, 30.9421



41.9983, 40.1930, 70.5102



38.9730, 40.1930, 23.3147

Square

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



41.9983, 40.1930, 70.5102



46.6590, 40.1930, 34.0552



34.6421, 40.1930, 24.8138



30.8345, 40.1930, 55.1607

Rectangle

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



41.9983, 40.1930, 70.5102



47.2502, 40.1930, 50.5640



34.6421, 40.1930, 24.8138



30.3900, 40.1930, 37.6015

Sweetspot

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



41.9996, 40.1946, 70.5111



83.7046, 86.0870, 106.8125



51.8205, 60.7734, 73.9656



17.7174, 18.1825, 22.8257



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.



41.9996, 40.1946, 70.5111



55.7970, 52.0009, 101.7041



47.8562, 43.2138, 70.7852



11.8095, 12.0432, 15.6397



7.4622, 2.9994, 38.6388



0.4744, 0.1934, 2.3316

Inverse Universe

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



53.7855, 46.3149, 69.0569



75.6788, 62.3275, 99.1442



52.0753, 62.5143, 44.9209



12.9200, 12.6195, 15.5191



23.1776, 11.2073, 34.5687



1.4078, 0.6799, 2.1367

Previews

White Background



This preview shows how the XYZ color 41.9983, 40.1930, 70.5102 looks on a white background.

Color Contrast Check

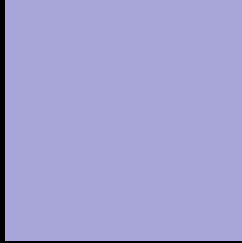
Large Text (above 18pt) WCAG AA × Fail

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 41.9983, 40.1930, 70.5102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

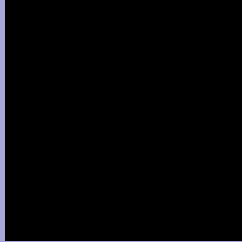
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.9983, 40.1930, 70.5102

Background



This preview shows how black text looks on a background with the XYZ color 41.9983, 40.1930, 70.5102.



This preview shows how white text looks on a background with the XYZ color 41.9983, 40.1930,

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

41.9983, 40.1930, 70.5102

Protanopia

40.5621, 40.2353, 71.9580

Deuteranopia

41.3176, 40.3818, 70.5825



Tritanopia

38.1149, 40.2679, 51.1110

Trichromacy



Original Color

41.9983, 40.1930, 70.5102

Protanomaly

41.0410, 40.2243, 71.2466

Deuteranomaly

41.5479, 40.2296, 70.5410

Tritanomaly

39.4616, 40.2540, 57.9145

Monochromacy



Original Color

41.9983, 40.1930, 70.5102

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

40.0597, 40.6647, 53.3147

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9983, 40.1930, 70.5102 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(168, 165, 216)` looks like.

```
.text, #text, p{  
    color:rgb(168, 165, 216)  
}
```

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(168, 165, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 165, 216) }
```

Border

The CSS property to change the border of an element to XYZ 41.9983, 40.1930, 70.5102 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(168, 165, 216) }
```


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

```
.border{ border-color:rgb(168, 165, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 165, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 165, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 165, 216);  
box-shadow:4px 4px 4px 4px rgb(168, 165,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9983, 40.1930, 70.5102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 165, 216) }
```

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

```
.background{ background-color: rgb(168,  
165, 216) }
```

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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