

Converting Colors

XYZ(41.6816, 39.4605, 71.0111)

Have a look what the booklet for
XYZ(41.6816, 39.4605, 71.0111)
contains.

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Color

**XYZ(41.7700, 39.5290,
71.0740)**

Conversions

Conversions Part 1

Format	Color
Hex	A8A3D9
RGB	168, 163, 217
RGB Percent	66%, 64%, 85%
CMY	0.3412, 0.3608, 0.1490
CMYK	0.23, 0.25, 0.00, 0.15
HSL	246°, 42%, 75%
HSV	246°, 25%, 85%
XYZ	41.7700, 39.5290, 71.0740
YIQ	170.6510, -14.3540, 17.8540

Conversions

Conversions Part 2

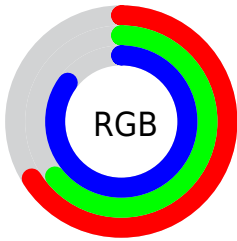
Format	Color
RYB	168, 163, 217
Decimal	11051993
CIELab	69.13, 13.19, -26.71
CIELCh	69, 29.791, 296.280
Yxy	39.5290, 0.2741, 0.2594
Android (android.graphics.Color)	4289242073 (0xFFA8A3D9)
YUV	170.6510, 22.8501, -2.3249
Hunter-Lab	62.8721, 8.5629, -23.0141

Details

The XYZ color **41.7700, 39.5290, 71.0740** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **58.5764, 66.2681, 44.3558**, and the grayscale version is **38.4291, 40.4304, 44.0287**.

A 20% lighter version of the original color is **73.8619, 73.2101, 104.8458**, and **19.2763, 17.6224, 36.5679** is the 20% darker color. If you saturate the color by 10%, you get **34.3633, 30.4742, 69.7173**, and if you desaturate by 10%, it is **50.4752, 50.2364, 72.6826**.

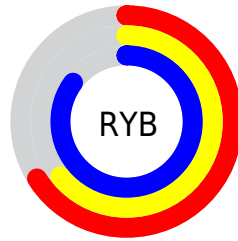
Distribution



Red (66%)

Green (64%)

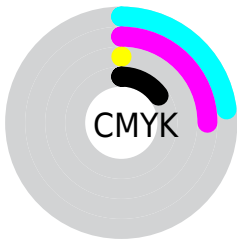
Blue (85%)



Red (66%)

Yellow (64%)

Blue (85%)

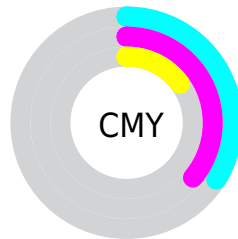


Cyan (23%)

Magenta (25%)

Yellow (0%)

Black (15%)



Cyan (34%)

Magenta (36%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7700, 39.5290, 71.0740 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 41.7700, 39.5290, 71.0740 by changing the saturation by 10% instead.

■ 41.7700, 39.5290,
71.0740

■ 41.7700, 39.5290,
71.0740

344.5365,
344.1344, 483.2027

■ 29.1116, 27.1715,
51.9204

■ 77.1188, 74.4458,
122.4345

■ 19.3099, 17.7021,
36.5598

■ 100.5398, 97.7738,
155.4785

■ 11.9998, 10.7363,
24.5737

128.2791,
125.5275, 193.9897

■ 6.8157, 5.8898,
15.5436

160.7019,
158.0912, 238.3867

■ 3.3924, 2.7782,
9.0510

198.1738,
195.8494, 289.0879

■ 1.3645, 1.0171,
4.6772

241.0599,

■ 0.2307, 0.0000,

239.1864, 346.5119

2.0037

289.7257,
288.4866, 411.0774

■ 0.0000, 0.0000,
0.5576

■ 0.0000, 0.0000,
0.0000

■ 41.7700, 39.5290,
71.0740

■ 41.7700, 39.5290,
71.0740

■ 34.3633, 30.4742,
69.7173

■ 50.4752, 50.2364,
72.6826

■ 28.1890, 22.9850,
68.5971

■ 60.5330, 62.6681,
74.5520

■ 23.1810, 16.9738,
67.7008

■ 71.9992, 76.8972,
76.6942

■ 19.2656, 12.3423,
67.0132

■ 84.9251, 92.9913,
79.1194

■ 16.3603, 8.9805,
66.5174

■ 89.5245, 97.7898,
79.8032

■ 14.3711, 6.7610,
66.1939

■ 13.1856, 5.5300,
66.0188

■ 12.8148, 5.1594,
65.9668

Harmonies

Analogous

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



36.9805, 39.5290, 74.8459



41.7700, 39.5290, 71.0740



45.7078, 39.5290, 59.2894

Triad

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



41.7700, 39.5290, 71.0740



42.8833, 39.5290, 24.7154



29.1596, 39.5290, 41.3623

Complementary

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



41.7700, 39.5290, 71.0740



58.5764, 66.2681, 44.3558

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.



30.4624, 39.5290, 30.0697



41.7700, 39.5290, 71.0740



38.1680, 39.5290, 21.8279

Square

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



41.7700, 39.5290, 71.0740



46.3877, 39.5290, 32.4486



33.6635, 39.5290, 23.5592



29.9491, 39.5290, 55.7175

Rectangle

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



41.7700, 39.5290, 71.0740



47.1802, 39.5290, 49.5600



33.6635, 39.5290, 23.5592



29.3643, 39.5290, 37.1191

Sweetspot

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



41.7713, 39.5306, 71.0749



83.9075, 86.1916, 106.8220



51.2985, 60.1347, 74.5498



17.7642, 18.2067, 22.8279



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.



41.7713, 39.5306, 71.0749



54.2182, 49.6469, 101.3329



47.9996, 42.7414, 71.3664



12.4499, 12.6745, 16.4424



7.7962, 3.1433, 39.9342



0.5444, 0.2239, 2.5890

Inverse Universe

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



53.5974, 45.7012, 68.2853



74.1907, 60.0724, 96.4255



51.5534, 62.6476, 44.0271



13.5597, 13.2530, 16.2086



23.4378, 11.3762, 33.0150



1.5339, 0.7432, 2.2205

Previews

White Background



This preview shows how the XYZ color 41.7700, 39.5290, 71.0740 looks on a white background.

Color Contrast Check

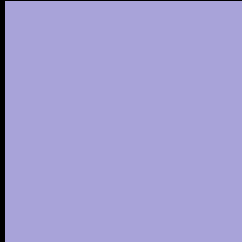
Large Text (above 18pt) WCAG AA × Fail

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 41.7700, 39.5290, 71.0740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

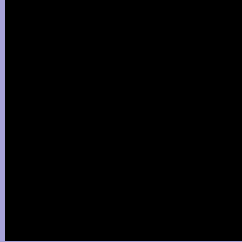
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.7700, 39.5290, 71.0740

Background



This preview shows how black text looks on a background with the XYZ color 41.7700, 39.5290, 71.0740.



This preview shows how white text looks on a background with the XYZ color 41.7700, 39.5290,

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

41.7700, 39.5290, 71.0740

Protanopia

40.2546, 39.7733, 73.2655

Deuteranopia

40.5281, 39.7039, 70.4933



Tritanopia

37.6355, 39.4762, 50.4358

Trichromacy



Original Color

41.7700, 39.5290, 71.0740

Protanomaly

40.9196, 39.8605, 72.5550

Deuteranomaly

40.9541, 39.6547, 70.4614

Tritanomaly

38.9789, 39.4701, 57.1938

Monochromacy



Original Color

41.7700, 39.5290, 71.0740

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

39.6573, 40.1822, 53.2427

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7700, 39.5290, 71.0740 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, 163, 217)` looks like.

```
.text, #text, p{  
    color:rgb(168, 163, 217)  
}
```

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, 163, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 163, 217) }
```

Border

The CSS property to change the border of an element to XYZ 41.7700, 39.5290, 71.0740 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, 163, 217) }
```


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

```
.border{ border-color:rgb(168, 163, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 163, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 163, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 163, 217);  
box-shadow:4px 4px 4px 4px rgb(168, 163,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7700, 39.5290, 71.0740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 163, 217) }
```

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

```
.background{ background-color: rgb(168,  
163, 217) }
```

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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