

Converting Colors

XYZ(41.7450, 38.8739, 77.9401)

Have a look what the booklet for
XYZ(41.7450, 38.8739, 77.9401)
contains.

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Color

**XYZ(41.7143, 38.8223,
77.9679)**

Conversions

Conversions Part 1

Format	Color
Hex	A3A1E3
RGB	163, 161, 227
RGB Percent	64%, 63%, 89%
CMY	0.3608, 0.3686, 0.1098
CMYK	0.28, 0.29, 0.00, 0.11
HSL	242°, 54%, 76%
HSV	242°, 29%, 89%
XYZ	41.7143, 38.8223, 77.9679
YIQ	169.1220, -19.9940, 20.9500

Conversions

Conversions Part 2

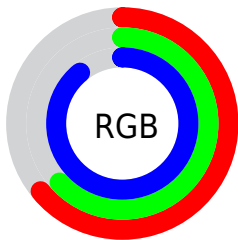
Format	Color
RYB	163, 161, 227
Decimal	10723811
CIELab	68.62, 15.22, -33.03
CIELCh	69, 36.367, 294.742
Yxy	38.8223, 0.2632, 0.2449
Android (android.graphics.Color)	4288913891 (0xFFA3A1E3)
YUV	169.1220, 28.5339, -5.3690
Hunter-Lab	62.3075, 10.4658, -30.5766

Details

The XYZ color **41.7143, 38.8223, 77.9679** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **64.9542, 73.5196, 44.4869**, and the grayscale version is **37.6439, 39.6043, 43.1290**.

A 20% lighter version of the original color is **71.8193, 71.3918, 104.6025**, and **19.2333, 17.3433, 40.8620** is the 20% darker color. If you saturate the color by 10%, you get **33.9803, 29.4721, 76.5714**, and if you desaturate by 10%, it is **50.9555, 50.0201, 79.6429**.

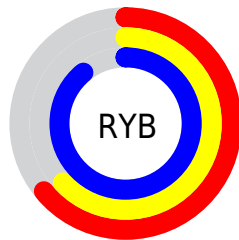
Distribution



Red (64%)

Green (63%)

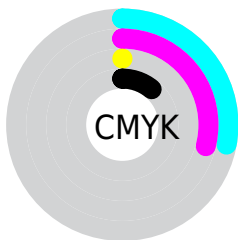
Blue (89%)



Red (64%)

Yellow (63%)

Blue (89%)

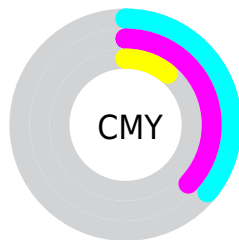


Cyan (28%)

Magenta (29%)

Yellow (0%)

Black (11%)



Cyan (36%)

Magenta (37%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7143, 38.8223, 77.9679 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 41.7143, 38.8223, 77.9679 by changing the saturation by 10% instead.

■ 41.7143, 38.8223,
77.9679

■ 41.7143, 38.8223,
77.9679

344.3090,
341.1344, 507.5828

■ 29.0678, 26.6215,
57.5313

■ 77.0349, 73.3668,
132.2903

■ 19.2766, 17.2892,
41.0198

■ 100.4397, 96.4793,
167.0133

■ 11.9755, 10.4409,
28.0147

128.1614,
123.9978, 207.3354

■ 6.7991, 5.6922,
18.0976

160.5652,
156.3067, 253.6752

■ 3.3820, 2.6589,
10.8499

198.0165,
193.7904, 306.4514

■ 1.3588, 0.9563,
5.8531

240.8806,

■ 0.2266, 0.0000,

236.8333, 366.0823

2.6886

289.5230,
285.8199, 432.9866

■ 0.0000, 0.0000,
0.9377

■ 0.0000, 0.0000,
0.0000

■ 41.7143, 38.8223,
77.9679

■ 41.7143, 38.8223,
77.9679

■ 33.9803, 29.4721,
76.5714

■ 50.9555, 50.0201,
79.6429

■ 27.6699, 21.8660,
75.4359

■ 61.7736, 63.1525,
81.6075

■ 22.6973, 15.8973,
74.5459

■ 74.2390, 78.3065,
83.8756

■ 18.9662, 11.4459,
73.8833

■ 88.4163, 95.5624,
86.4591

■ 16.3672, 8.3749,
73.4276

■ 90.8653, 98.3261,
86.8634

■ 14.7717, 6.5232,
73.1542

■ 13.9997, 5.6493,
73.0263

■ 13.9514, 5.5905,
73.0175

Harmonies

Analogous

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



35.8972, 38.8223, 82.2067



41.7143, 38.8223, 77.9679



46.6656, 38.8223, 63.2691

Triad

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



41.7143, 38.8223, 77.9679



43.6444, 38.8223, 21.3569



26.9638, 38.8223, 39.4399

Complementary

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



41.7143, 38.8223, 77.9679



64.9542, 73.5196, 44.4869

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.



28.6008, 38.8223, 26.5236



41.7143, 38.8223, 77.9679



37.9201, 38.8223, 17.9608

Square

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



41.7143, 38.8223, 77.9679



47.8584, 38.8223, 30.3734



32.4701, 38.8223, 19.5716



27.7558, 38.8223, 56.9287

Rectangle

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



41.7143, 38.8223, 77.9679



48.6046, 38.8223, 51.1470



32.4701, 38.8223, 19.5716



27.2428, 38.8223, 34.4861

Sweetspot

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



41.7156, 38.8238, 77.9688



80.4419, 82.2422, 106.2423



55.7333, 67.4623, 82.7578



16.7481, 17.0326, 22.6548



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.



41.7156, 38.8238, 77.9688



47.8863, 42.7765, 100.3405



49.1427, 42.6526, 78.3164



13.6230, 13.9079, 18.1108



8.1539, 3.2694, 42.5845



0.6169, 0.2490, 3.1475

Inverse Universe

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



58.0150, 47.2582, 77.2987



72.4483, 55.4886, 99.2328



55.8700, 68.8366, 44.0618



14.9753, 14.6073, 18.0701



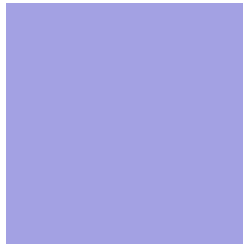
26.0266, 12.5449, 40.6306



1.9293, 0.9294, 3.0340

Previews

White Background



This preview shows how the XYZ color 41.7143, 38.8223, 77.9679 looks on a white background.

Color Contrast Check

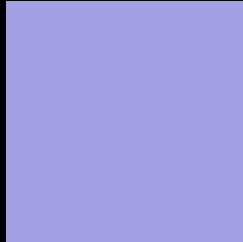
Large Text (above 18pt) WCAG AA × Fail

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 41.7143, 38.8223, 77.9679 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 41.7143, 38.8223, 77.9679

Background



This preview shows how black text looks on a background with the XYZ color 41.7143, 38.8223, 77.9679.



This preview shows how white text looks on a background with the XYZ color 41.7143, 38.8223,

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

41.7143, 38.8223, 77.9679

Protanopia

39.9508, 38.9193, 80.2695

Deuteranopia

39.7603, 38.8853, 77.3615



Tritanopia

36.0616, 38.6649, 50.3622

Trichromacy



Original Color

41.7143, 38.8223, 77.9679

Protanomaly

40.5552, 38.9804, 79.5152

Deuteranomaly

40.5205, 39.0105, 77.3456

Tritanomaly

37.8496, 38.5641, 59.4815

Monochromacy



Original Color

41.7143, 38.8223, 77.9679

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

38.8668, 39.2056, 54.2341

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7143, 38.8223, 77.9679 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(163, 161, 227)` looks like.

```
.text, #text, p{  
    color:rgb(163, 161, 227)  
}
```

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(163, 161, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 161, 227) }
```

Border

The CSS property to change the border of an element to XYZ 41.7143, 38.8223, 77.9679 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(163, 161, 227) }
```


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

```
.border{ border-color:rgb(163, 161, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 161, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 161, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 161, 227);  
box-shadow:4px 4px 4px 4px rgb(163, 161,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7143, 38.8223, 77.9679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 161, 227) }
```

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

```
.background{ background-color: rgb(163,  
161, 227) }
```

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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