

Converting Colors

XYZ(40.9083, 37.0624, 80.2769)

Have a look what the booklet for
XYZ(40.9083, 37.0624, 80.2769)
contains.

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Color

**XYZ(41.0102, 37.1235,
80.6054)**

Conversions

Conversions Part 1

Format	Color
Hex	A19CE7
RGB	161, 156, 231
RGB Percent	63%, 61%, 91%
CMY	0.3686, 0.3882, 0.0941
CMYK	0.30, 0.32, 0.00, 0.09
HSL	244°, 61%, 76%
HSV	244°, 32%, 91%
XYZ	41.0102, 37.1235, 80.6054
YIQ	166.0450, -21.0950, 24.3850

Conversions

Conversions Part 2

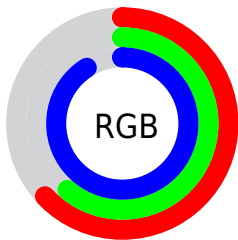
Format	Color
RYB	161, 156, 231
Decimal	10591463
CIELab	67.37, 18.47, -37.18
CIELCh	67, 41.519, 296.415
Yxy	37.1235, 0.2583, 0.2339
Android (android.graphics.Color)	4288781543 (0xFFA19CE7)
YUV	166.0450, 32.0228, -4.4245
Hunter-Lab	60.9291, 13.5191, -35.7867

Details

The XYZ color **41.0102, 37.1235, 80.6054** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **65.9415, 75.7216, 42.5941**, and the grayscale version is **36.1257, 38.0071, 41.3897**.

A 20% lighter version of the original color is **69.7119, 68.0649, 104.0714**, and **18.8528, 16.3241, 42.7147** is the 20% darker color. If you saturate the color by 10%, you get **33.5198, 28.0453, 79.2486**, and if you desaturate by 10%, it is **49.9894, 48.0649, 82.2447**.

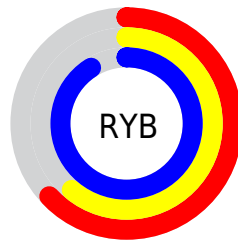
Distribution



Red (63%)

Green (61%)

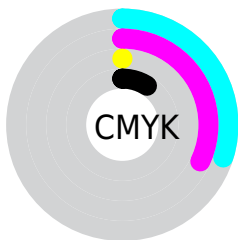
Blue (91%)



Red (63%)

Yellow (61%)

Blue (91%)

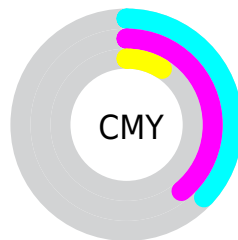


Cyan (30%)

Magenta (32%)

Yellow (0%)

Black (9%)



Cyan (37%)

Magenta (39%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.0102, 37.1235, 80.6054 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 41.0102, 37.1235, 80.6054 by changing the saturation by 10% instead.

■ 41.0102, 37.1235,
80.6054

■ 41.0102, 37.1235,
80.6054

341.4251,
333.8449, 516.7312

■ 28.5148, 25.3031,
59.6876

■ 75.9740, 70.7627,
136.0356

■ 18.8565, 16.3030,
42.7432

■ 99.1730, 93.3503,
171.3851

■ 11.6700, 9.7388,
29.3538

126.6707,
120.2958, 212.3822

■ 6.5900, 5.2261,
19.1007

158.8323,
151.9835, 259.4455

■ 3.2511, 2.3806,
11.5655

196.0231,
188.7979, 312.9935

■ 1.2879, 0.8159,
6.3297

238.6087,

■ 0.1741, 0.0000,

231.1233, 373.4448

2.9745

286.9542,
279.3442, 441.2178

■ 0.0000, 0.0000,
1.0816

■ 0.0000, 0.0000,
0.0000

■ 41.0102, 37.1235,
80.6054

■ 41.0102, 37.1235,
80.6054

■ 33.5198, 28.0453,
79.2486

■ 49.9894, 48.0649,
82.2447

■ 27.4340, 20.7223,
78.1559

■ 60.5278, 60.9609,
84.1784

■ 22.6661, 15.0423,
77.3108

■ 72.6960, 75.9018,
86.4210

■ 19.1182, 10.8780,
76.6940

■ 86.5591, 92.9711,
88.9850

■ 16.6787, 8.0837,
76.2832

■ 91.4239, 98.5496,
89.8054

■ 15.2153, 6.4845,
76.0517

■ 14.6275, 5.8745,
75.9649

Harmonies

Analogous

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



34.5256, 37.1235, 86.4254



41.0102, 37.1235, 80.6054



46.4856, 37.1235, 63.0574

Triad

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



41.0102, 37.1235, 80.6054



42.4918, 37.1235, 17.6999



24.4319, 37.1235, 38.2706

Complementary

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



41.0102, 37.1235, 80.6054



65.9415, 75.7216, 42.5941

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.



26.0453, 37.1235, 23.9766



41.0102, 37.1235, 80.6054



36.0550, 37.1235, 14.5725

Square

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



41.0102, 37.1235, 80.6054



47.4106, 37.1235, 26.7553



30.1187, 37.1235, 16.4669



25.4257, 37.1235, 58.0918

Rectangle

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



41.0102, 37.1235, 80.6054



48.5580, 37.1235, 49.2190



30.1187, 37.1235, 16.4669



24.6818, 37.1235, 32.7397

Sweetspot

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



41.0115, 37.1249, 80.6063



79.2275, 80.5580, 105.9812



55.3315, 67.2311, 85.6626



16.5181, 16.7032, 22.6034



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.



41.0115, 37.1249, 80.6063



44.8000, 38.5465, 99.6867



49.7341, 41.6216, 81.0145



13.6714, 13.9328, 18.1131



8.2364, 3.3119, 42.5883



0.6401, 0.2610, 3.1486

Inverse Universe

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



58.5719, 46.2581, 77.7937



70.0538, 51.6865, 95.3922



55.4401, 70.3080, 42.1027



14.9515, 14.5978, 17.9447



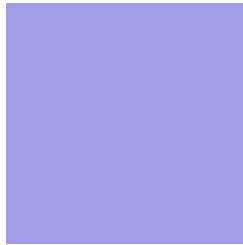
25.4131, 12.2995, 37.4000



1.8905, 0.9139, 2.8300

Previews

White Background



This preview shows how the XYZ color 41.0102, 37.1235, 80.6054 looks on a white background.

Color Contrast Check

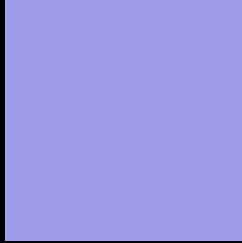
Large Text (above 18pt) WCAG AA × Fail

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 41.0102, 37.1235, 80.6054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

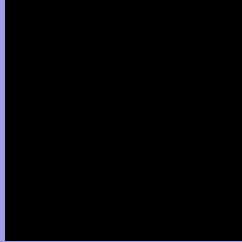
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.0102, 37.1235, 80.6054

Background



This preview shows how black text looks on a background with the XYZ color 41.0102, 37.1235, 80.6054.



This preview shows how white text looks on a background with the XYZ color 41.0102, 37.1235,

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

41.0102, 37.1235, 80.6054

Protanopia

38.5555, 37.0633, 83.7191

Deuteranopia

38.1878, 37.2166, 80.0337



Tritanopia

34.3506, 37.0111, 47.9812

Trichromacy



Original Color

41.0102, 37.1235, 80.6054

Protanomaly

39.4622, 37.0327, 82.9100

Deuteranomaly

39.0665, 37.1507, 79.9747

Tritanomaly

36.4398, 36.7879, 58.6063

Monochromacy



Original Color

41.0102, 37.1235, 80.6054

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

37.5244, 37.4509, 53.9662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.0102, 37.1235, 80.6054 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(161, 156, 231)` looks like.

```
.text, #text, p{  
    color:rgb(161, 156, 231)  
}
```

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(161, 156, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 156, 231) }
```

Border

The CSS property to change the border of an element to XYZ 41.0102, 37.1235, 80.6054 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(161, 156, 231) }
```


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

```
.border{ border-color:rgb(161, 156, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 156, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 156, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 156, 231);  
box-shadow:4px 4px 4px 4px rgb(161, 156,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 41.0102, 37.1235, 80.6054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 156, 231) }
```

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

```
.background{ background-color: rgb(161,  
156, 231) }
```

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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