

Converting Colors

XYZ(41.5052, 37.0310, 77.5981)

Have a look what the booklet for
XYZ(41.5052, 37.0310, 77.5981)
contains.

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Color

**XYZ(41.3571, 36.8727,
77.6104)**

Conversions

Conversions Part 1

Format	Color
Hex	A79AE3
RGB	167, 154, 227
RGB Percent	65%, 60%, 89%
CMY	0.3451, 0.3961, 0.1098
CMYK	0.26, 0.32, 0.00, 0.11
HSL	251°, 57%, 75%
HSV	251°, 32%, 89%
XYZ	41.3571, 36.8727, 77.6104
YIQ	166.2090, -15.6850, 25.4590

Conversions

Conversions Part 2

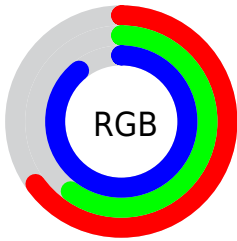
Format	Color
RYB	167, 154, 227
Decimal	10984163
CIELab	67.18, 20.34, -35.24
CIELCh	67, 40.690, 299.999
Yxy	36.8727, 0.2654, 0.2366
Android (android.graphics.Color)	4289174243 (0xFFA79AE3)
YUV	166.2090, 29.9700, 0.6937
Hunter-Lab	60.7229, 15.3076, -33.2730

Details

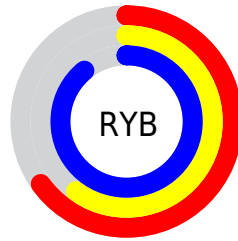
The XYZ color **41.3571, 36.8727, 77.6104** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **61.0341, 71.5681, 41.1704**, and the grayscale version is **36.2126, 38.0985, 41.4892**.

A 20% lighter version of the original color is **71.0373, 68.0197, 103.9928**, and **19.0110, 16.1515, 40.6436** is the 20% darker color. If you saturate the color by 10%, you get **34.2977, 28.1884, 76.3069**, and if you desaturate by 10%, it is **49.6962, 47.2699, 79.1784**.

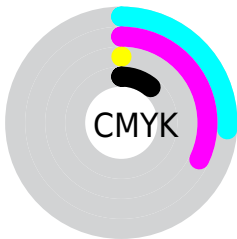
Distribution



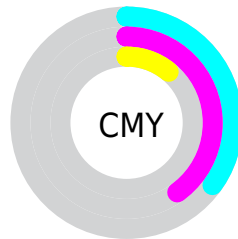
- Red (65%)
- Green (60%)
- Blue (89%)



- Red (65%)
- Yellow (60%)
- Blue (89%)



- Cyan (26%)
- Magenta (32%)
- Yellow (0%)
- Black (11%)



- Cyan (35%)
- Magenta (40%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3571, 36.8727, 77.6104 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 41.3571, 36.8727, 77.6104 by changing the saturation by 10% instead.

■ 41.3571, 36.8727,
77.6104

■ 41.3571, 36.8727,
77.6104

342.8480,
332.7591, 506.3355

■ 28.7871, 25.1089,
57.2394

■ 76.4970, 70.3770,
131.7816

■ 19.0633, 16.1582,
40.7869

■ 99.7976, 92.8862,
166.4190

■ 11.8203, 9.6362,
27.8341

127.4058,
119.7462, 206.6489

■ 6.6928, 5.1584,
17.9627

159.6869,
151.3411, 252.8899

■ 3.3153, 2.3405,
10.7541

197.0064,
188.0555, 305.5605

■ 1.3226, 0.7950,
5.7896

239.7295,

■ 0.2001, 0.0000,

230.2737, 365.0793

2.6509

288.2216,
278.3801, 431.8648

■ 0.0000, 0.0000,
0.9185

■ 0.0000, 0.0000,
0.0000

■ 41.3571, 36.8727,
77.6104

■ 41.3571, 36.8727,
77.6104

■ 34.2977, 28.1884,
76.3069

■ 49.6962, 47.2699,
79.1784

■ 28.4498, 21.1201,
75.2508

■ 59.3707, 59.4611,
81.0216

■ 23.7447, 15.5677,
74.4270

■ 70.4379, 73.5277,
83.1534

■ 20.1050, 11.4182,
73.8179

■ 82.9503, 89.5444,
85.5855

■ 17.4433, 8.5424,
73.4031

■ 90.8652, 98.3261,
86.8634

■ 15.6571, 6.7862,
73.1583

■ 14.7570, 6.0058,
73.0551

Harmonies

Analogous

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



35.0461, 36.8727, 84.9332



41.3571, 36.8727, 77.6104



46.4286, 36.8727, 59.7739

Triad

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



41.3571, 36.8727, 77.6104



41.3577, 36.8727, 17.2300



24.4172, 36.8727, 40.1472

Complementary

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



41.3571, 36.8727, 77.6104



61.0341, 71.5681, 41.1704

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.



25.6954, 36.8727, 25.3705



41.3571, 36.8727, 77.6104



35.0467, 36.8727, 14.7540

Square

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



41.3571, 36.8727, 77.6104



46.4290, 36.8727, 25.3716



29.4127, 36.8727, 17.2295



25.6951, 36.8727, 59.7720

Rectangle

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



41.3571, 36.8727, 77.6104



48.1594, 36.8727, 46.3802



29.4127, 36.8727, 17.2295



24.5600, 36.8727, 34.5009

Sweetspot

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



41.3584, 36.8742, 77.6112



80.1531, 81.0351, 106.0246



51.4506, 60.9331, 81.7232



16.7400, 16.8176, 22.6138



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.



41.3584, 36.8742, 77.6112



47.1544, 39.7602, 99.7969



49.9597, 41.3083, 78.0138



13.8210, 14.0099, 18.1201



8.6753, 3.5382, 42.6089



0.7112, 0.2976, 3.1519

Inverse Universe

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



55.3726, 44.2983, 69.2508



68.3814, 51.0175, 86.5857



51.7395, 66.7766, 40.7354



14.8792, 14.5689, 17.5641



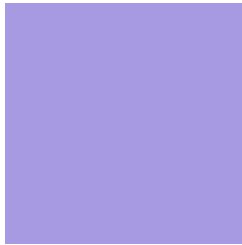
23.7189, 11.6218, 28.4782



1.7817, 0.8704, 2.2568

Previews

White Background



This preview shows how the XYZ color 41.3571, 36.8727, 77.6104 looks on a white background.

Color Contrast Check

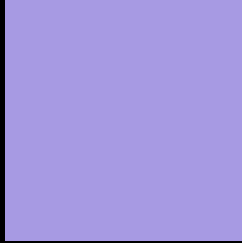
Large Text (above 18pt) WCAG AA × Fail

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 41.3571, 36.8727, 77.6104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

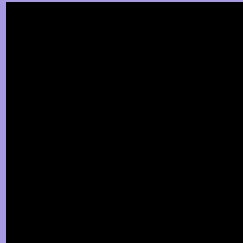
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.3571, 36.8727, 77.6104

Background



This preview shows how black text looks on a background with the XYZ color 41.3571, 36.8727, 77.6104.



This preview shows how white text looks on a background with the XYZ color 41.3571, 36.8727,

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

41.3571, 36.8727, 77.6104

Protanopia

38.4374, 37.0357, 82.2135

Deuteranopia

37.8371, 36.8553, 76.3537



Tritanopia

35.1159, 36.8933, 46.8653

Trichromacy



Original Color

41.3571, 36.8727, 77.6104

Protanomaly

39.2283, 36.7073, 80.6190

Deuteranomaly

38.9032, 36.6201, 76.9695

Tritanomaly

37.1191, 36.6588, 56.7492

Monochromacy



Original Color

41.3571, 36.8727, 77.6104

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

37.7233, 37.5785, 52.8421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3571, 36.8727, 77.6104 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(167, 154, 227)` looks like.

```
.text, #text, p{  
    color:rgb(167, 154, 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(167, 154, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 154, 227) }
```

Border

The CSS property to change the border of an element to XYZ 41.3571, 36.8727, 77.6104 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(167, 154, 227) }
```


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

```
.border{ border-color:rgb(167, 154, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 154, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 154, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 154, 227);  
box-shadow:4px 4px 4px 4px rgb(167, 154,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3571, 36.8727, 77.6104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 154, 227) }
```

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

```
.background{ background-color: rgb(167,  
154, 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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