

Converting Colors

XYZ(42.1896, 36.9197, 78.8744)

Have a look what the booklet for
XYZ(42.1896, 36.9197, 78.8744)
contains.

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Color

**XYZ(42.3287, 37.0975,
79.0583)**

Conversions

Conversions Part 1

Format	Color
Hex	AB99E5
RGB	171, 153, 229
RGB Percent	67%, 60%, 90%
CMY	0.3294, 0.4000, 0.1020
CMYK	0.25, 0.33, 0.00, 0.10
HSL	254°, 59%, 75%
HSV	254°, 33%, 90%
XYZ	42.3287, 37.0975, 79.0583
YIQ	167.0460, -13.6680, 27.4520

Conversions

Conversions Part 2

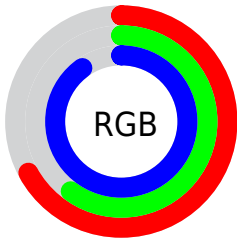
Format	Color
R_{YB}	171, 153, 229
Decimal	11246053
CIE _{Lab}	67.35, 22.56, -36.05
CIE _{LCh}	67, 42.530, 302.038
Yxy	37.0975, 0.2671, 0.2341
Android (android.graphics.Color)	4289436133 (0xFFAB99E5)
YUV	167.0460, 30.5433, 3.4677
Hunter-Lab	60.9077, 17.4627, -34.3231

Details

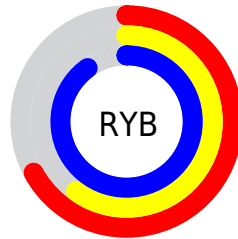
The XYZ color **42.3287, 37.0975, 79.0583** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **60.6338, 72.1881, 40.8763**, and the grayscale version is **36.6148, 38.5216, 41.9500**.

A 20% lighter version of the original color is **72.0414, 68.1765, 103.9701**, and **19.6303, 16.3018, 41.6471** is the 20% darker color. If you saturate the color by 10%, you get **35.3759, 28.4736, 77.7608**, and if you desaturate by 10%, it is **50.5067, 47.4223, 80.6208**.

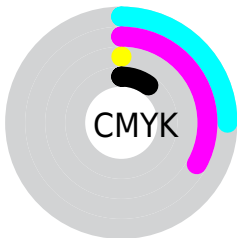
Distribution



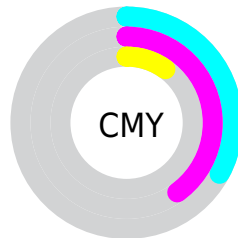
- Red (67%)
- Green (60%)
- Blue (90%)



- Red (67%)
- Yellow (60%)
- Blue (90%)



- Cyan (25%)
- Magenta (33%)
- Yellow (0%)
- Black (10%)



- Cyan (33%)
- Magenta (40%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3287, 37.0975, 79.0583 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 42.3287, 37.0975, 79.0583 by changing the saturation by 10% instead.

■ 42.3287, 37.0975,
79.0583

■ 42.3287, 37.0975,
79.0583

346.8122,
333.7324, 511.3764

■ 29.5510, 25.2830,
58.4221

■ 77.9589, 70.7227,
133.8403

■ 19.6444, 16.2880,
41.7312

■ 101.5421, 93.3022,
168.8233

■ 12.2436, 9.7282,
28.5669

129.4579,
120.2388, 209.4256

■ 6.9832, 5.2191,
18.5106

162.0715,
151.9169, 256.0658

■ 3.4978, 2.3764,
11.1440

199.7484,
188.7210, 309.1625

■ 1.4222, 0.8137,
6.0484

242.8539,

■ 0.2719, 0.0000,

231.0353, 369.1341

2.8053

291.7534,
279.2443, 436.3992

■ 0.0000, 0.0000,
0.9961

■ 0.0000, 0.0000,
0.0000

■ 42.3287, 37.0975,
79.0583

■ 42.3287, 37.0975,
79.0583

■ 35.3759, 28.4736,
77.7608

■ 50.5067, 47.4223,
80.6208

■ 29.5834, 21.4534,
76.7111

■ 59.9624, 59.5291,
82.4593

■ 24.8863, 15.9369,
75.8938

■ 70.7502, 73.4990,
84.5872

■ 21.2111, 11.8102,
75.2910

■ 82.9198, 89.4070,
87.0163

■ 18.4747, 8.9432,
74.8819

■ 91.1430, 98.4372,
88.3259

■ 16.5790, 7.1794,
74.6413

■ 15.6771, 6.4481,
74.5477

Harmonies

Analogous

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



35.7072, 37.0975, 87.8781



42.3287, 37.0975, 79.0583



47.5172, 37.0975, 59.6500

Triad

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



42.3287, 37.0975, 79.0583



41.4636, 37.0975, 16.2755



24.1679, 37.0975, 41.6815

Complementary

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



42.3287, 37.0975, 79.0583



60.6338, 72.1881, 40.8763

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.



25.3159, 37.0975, 25.8027



42.3287, 37.0975, 79.0583



34.8167, 37.0975, 14.1079

Square

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



42.3287, 37.0975, 79.0583



46.9760, 37.0975, 24.1989



29.0257, 37.0975, 16.9811



25.6746, 37.0975, 62.5602

Rectangle

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



42.3287, 37.0975, 79.0583



49.1723, 37.0975, 45.5671



29.0257, 37.0975, 16.9811



24.2557, 37.0975, 35.6260

Sweetspot

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



42.3300, 37.0990, 79.0592



80.6473, 81.2899, 106.0477



50.6414, 59.1516, 82.8777



16.8588, 16.8788, 22.6193



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.



42.3300, 37.0990, 79.0592



47.6088, 39.3682, 99.6973



51.7542, 41.9574, 79.5002



13.9008, 14.0511, 18.1238



9.0524, 3.7326, 42.6265



0.7503, 0.3178, 3.1538

Inverse Universe

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



55.4631, 44.1449, 67.2262



67.0327, 49.8030, 81.5639



51.0628, 67.2541, 40.4284



14.8415, 14.5538, 17.3656



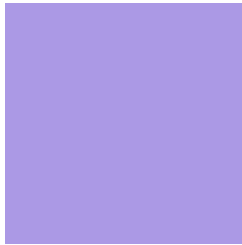
22.9348, 11.3081, 24.3495



1.7301, 0.8498, 1.9854

Previews

White Background



This preview shows how the XYZ color 42.3287, 37.0975, 79.0583 looks on a white background.

Color Contrast Check

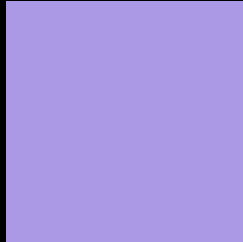
Large Text (above 18pt) WCAG AA × Fail

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 42.3287, 37.0975, 79.0583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

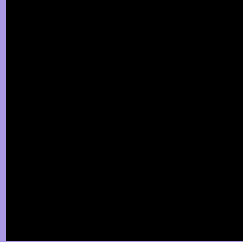
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.3287, 37.0975, 79.0583

Background



This preview shows how black text looks on a background with the XYZ color 42.3287, 37.0975, 79.0583.



This preview shows how white text looks on a background with the XYZ color 42.3287, 37.0975,

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

42.3287, 37.0975, 79.0583

Protanopia

38.7004, 37.1213, 84.4823

Deuteranopia

38.1132, 37.2264, 77.8497



Tritanopia

35.6316, 36.9060, 46.3199

Trichromacy



Original Color

42.3287, 37.0975, 79.0583

Protanomaly

39.6973, 36.9162, 82.1241

Deuteranomaly

39.5386, 37.1700, 78.4894

Tritanomaly

37.7655, 36.7357, 56.7300

Monochromacy



Original Color

42.3287, 37.0975, 79.0583

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

38.3630, 37.8832, 54.0054

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3287, 37.0975, 79.0583 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(171, 153, 229)` looks like.

```
.text, #text, p{  
    color:rgb(171, 153, 229)  
}
```

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(171, 153, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 153, 229) }
```

Border

The CSS property to change the border of an element to XYZ 42.3287, 37.0975, 79.0583 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(171, 153, 229) }
```


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

```
.border{ border-color:rgb(171, 153, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 153, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 153, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 153, 229); box-shadow:4px 4px 4px 4px rgb(171, 153, 229) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3287, 37.0975, 79.0583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 153, 229) }
```

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

```
.background{ background-color: rgb(171,  
153, 229) }
```

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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