

Converting Colors

XYZ(42.6331, 37.4823, 79.8507)

Have a look what the booklet for
XYZ(42.6331, 37.4823, 79.8507)
contains.

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Color

**XYZ(42.6331, 37.4823,
79.8507)**

Conversions

Conversions Part 1

Format	Color
Hex	AB9AE6
RGB	171, 154, 230
RGB Percent	67%, 60%, 90%
CMY	0.3294, 0.3961, 0.0980
CMYK	0.26, 0.33, 0.00, 0.10
HSL	253°, 60%, 75%
HSV	253°, 33%, 90%
XYZ	42.6331, 37.4823, 79.8507
YIQ	167.7470, -14.2640, 27.2400

Conversions

Conversions Part 2

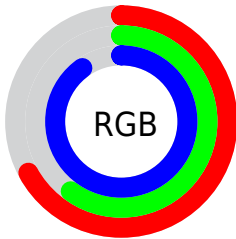
Format	Color
R_{YB}	171, 154, 230
Decimal	11246310
CIE _{Lab}	67.64, 22.24, -36.16
CIE _{LCh}	68, 42.447, 301.592
Yxy	37.4823, 0.2665, 0.2343
Android (android.graphics.Color)	4289436390 (0xFFAB9AE6)
YUV	167.7470, 30.6907, 2.8529
Hunter-Lab	61.2228, 17.1604, -34.4739

Details

The XYZ color **42.6331, 37.4823, 79.8507** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **61.5711, 73.0737, 41.4328**, and the grayscale version is **36.9559, 38.8805, 42.3409**.

A 20% lighter version of the original color is **72.2844, 68.6626, 104.0512**, and **19.8263, 16.5384, 42.1917** is the 20% darker color. If you saturate the color by 10%, you get **35.5645, 28.7334, 78.5352**, and if you desaturate by 10%, it is **50.9570, 47.9596, 81.4349**.

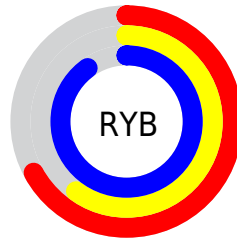
Distribution



Red (67%)

Green (60%)

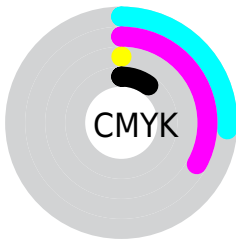
Blue (90%)



Red (67%)

Yellow (60%)

Blue (90%)

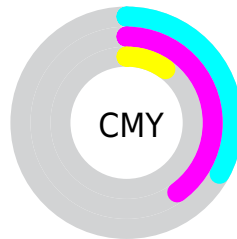


Cyan (26%)

Magenta (33%)

Yellow (0%)

Black (10%)



Cyan (33%)

Magenta (40%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6331, 37.4823, 79.8507 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 42.6331, 37.4823, 79.8507 by changing the saturation by 10% instead.

42.6331, 37.4823,
79.8507

42.6331, 37.4823,
79.8507

348.0479,
335.3939, 514.1230

29.7906, 25.5811,
59.0701

78.4161, 71.3139,
134.9653

19.8270, 16.5105,
42.2491

102.0873, 94.0132,
170.1363

12.3769, 9.8861,
28.9694

130.0988,
121.0806, 210.9413

7.0749, 5.3235,
18.8123

162.8159,
152.9006, 257.7986

3.5557, 2.4383,
11.3593

200.6040,
189.8575, 311.1269

1.4540, 0.8455,
6.1918

243.8285,

0.2942, 0.0000,

232.3358, 371.3447

2.8914

292.8546,
280.7198, 438.8706

■ 0.0000, 0.0000,
1.0395

■ 0.0000, 0.0000,
0.0000

■ 42.6331, 37.4823,
79.8507

■ 42.6331, 37.4823,
79.8507

■ 35.5645, 28.7334,
78.5352

■ 50.9570, 47.9596,
81.4349

■ 29.6847, 21.6142,
77.4709

■ 60.5903, 60.2476,
83.2990

■ 24.9267, 16.0229,
76.6425

■ 71.5888, 74.4289,
85.4566

■ 21.2152, 11.8443,
76.0316

■ 84.0037, 90.5794,
87.9197

■ 18.4646, 8.9460,
75.6171

■ 91.2830, 98.4932,
89.0635

■ 16.5743, 7.1695,
75.3738

■ 15.6709, 6.4287,
75.2785

Harmonies

Analogous

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



35.9766, 37.4823, 88.4774



42.6331, 37.4823, 79.8507



47.8803, 37.4823, 60.4707

Triad

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



42.6331, 37.4823, 79.8507



41.9542, 37.4823, 16.6112



24.4691, 37.4823, 41.8213

Complementary

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



42.6331, 37.4823, 79.8507



61.5711, 73.0737, 41.4328

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.



25.6639, 37.4823, 25.9551



42.6331, 37.4823, 79.8507



35.2773, 37.4823, 14.3468

Square

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



42.6331, 37.4823, 79.8507



47.4558, 37.4823, 24.6936



29.4317, 37.4823, 17.1672



25.9459, 37.4823, 62.7527

Rectangle

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



42.6331, 37.4823, 79.8507



49.5808, 37.4823, 46.3117



29.4317, 37.4823, 17.1672



24.5708, 37.4823, 35.7657

Sweetspot

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



42.6344, 37.4838, 79.8516



80.5362, 81.2326, 106.0425



51.5391, 60.4415, 83.8135



16.8321, 16.8651, 22.6181



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.



42.6344, 37.4838, 79.8516



47.3041, 39.2111, 99.6830



51.9835, 42.3034, 80.2891



13.8829, 14.0418, 18.1230



8.9584, 3.6841, 42.6221



0.7410, 0.3130, 3.1533

Inverse Universe

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



56.2000, 44.7396, 68.6253



67.2229, 49.8791, 82.5659



51.9298, 68.1034, 40.9816



14.8499, 14.5571, 17.4099



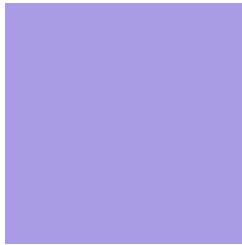
23.1041, 11.3758, 25.2407



1.7413, 0.8542, 2.0444

Previews

White Background



This preview shows how the XYZ color 42.6331, 37.4823, 79.8507 looks on a white background.

Color Contrast Check

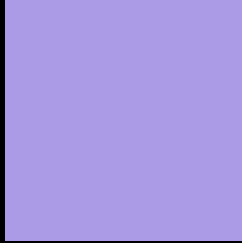
Large Text (above 18pt) WCAG AA × Fail

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 42.6331, 37.4823, 79.8507 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 42.6331, 37.4823, 79.8507

Background



This preview shows how black text looks on a background with the XYZ color 42.6331, 37.4823, 79.8507.



This preview shows how white text looks on a background with the XYZ color 42.6331, 37.4823,

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

42.6331, 37.4823, 79.8507

Protanopia

39.1909, 37.6178, 85.3161

Deuteranopia

38.6024, 37.7251, 78.6459



Tritanopia

35.9092, 37.3023, 46.9024

Trichromacy



Original Color

42.6331, 37.4823, 79.8507

Protanomaly

40.1983, 37.4122, 82.9445

Deuteranomaly

40.0401, 37.6688, 79.2892

Tritanomaly

38.0517, 37.1265, 57.3851

Monochromacy



Original Color

42.6331, 37.4823, 79.8507

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

38.8633, 38.3910, 54.6521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6331, 37.4823, 79.8507 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, 154, 230)` looks like.

```
.text, #text, p{  
    color:rgb(171, 154, 230)  
}
```

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, 154, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 154, 230) }
```

Border

The CSS property to change the border of an element to XYZ 42.6331, 37.4823, 79.8507 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, 154, 230) }
```


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

```
.border{ border-color:rgb(171, 154, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 154, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 154, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 154, 230);  
box-shadow:4px 4px 4px 4px rgb(171, 154,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6331, 37.4823, 79.8507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 154, 230) }
```

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

```
.background{ background-color: rgb(171,  
154, 230) }
```

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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