

Converting Colors

XYZ(39.4811, 31.9189, 72.3496)

Have a look what the booklet for
XYZ(39.4811, 31.9189, 72.3496)
contains.

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Color

**XYZ(39.5345, 31.9427,
72.4885)**

Conversions

Conversions Part 1

Format	Color
Hex	AF88DD
RGB	175, 136, 221
RGB Percent	69%, 53%, 87%
CMY	0.3137, 0.4667, 0.1333
CMYK	0.21, 0.38, 0.00, 0.13
HSL	268°, 56%, 70%
HSV	268°, 38%, 87%
XYZ	39.5345, 31.9427, 72.4885
YIQ	157.3510, -4.0410, 34.7030

Conversions

Conversions Part 2

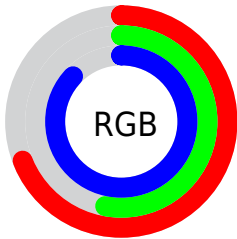
Format	Color
R _Y B	175, 136, 221
Decimal	11503837
CIE Lab	63.30, 31.44, -37.92
CIE LCh	63, 49.261, 309.667
Yxy	31.9427, 0.2746, 0.2219
Android (android.graphics.Color)	4289693917 (0xFFAF88DD)
YUV	157.3510, 31.3790, 15.4782
Hunter-Lab	56.5179, 25.9553, -36.4815

Details

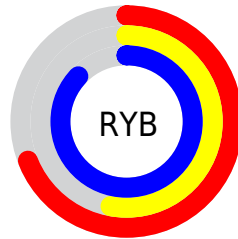
The XYZ color **39.5345, 31.9427, 72.4885** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **49.5926, 63.4363, 32.9244**, and the grayscale version is **32.0711, 33.7413, 36.7443**.

A 20% lighter version of the original color is **69.7422, 61.2027, 102.7452**, and **18.0166, 13.3151, 37.6969** is the 20% darker color. If you saturate the color by 10%, you get **34.1706, 25.0243, 71.4364**, and if you desaturate by 10%, it is **45.7801, 40.2695, 73.7671**.

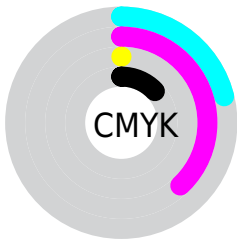
Distribution



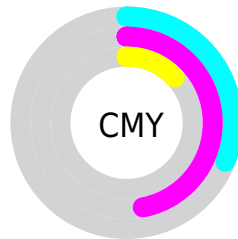
- Red (69%)
- Green (53%)
- Blue (87%)



- Red (69%)
- Yellow (53%)
- Blue (87%)



- Cyan (21%)
- Magenta (38%)
- Yellow (0%)
- Black (13%)



- Cyan (31%)
- Magenta (47%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.5345, 31.9427, 72.4885 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 39.5345, 31.9427, 72.4885 by changing the saturation by 10% instead.

39.5345, 31.9427,
72.4885

39.5345, 31.9427,
72.4885

335.3258,
310.8582, 488.2633

27.3584, 21.3177,
53.0685

73.7430, 62.7213,
124.4650

17.9805, 13.3565,
37.4694

96.5061, 83.6436,
157.8586

11.0356, 7.6745,
25.2725

123.5289,
108.7673, 196.7471

6.1583, 3.8874,
16.0593

155.1767,
138.4766, 241.5492

2.9831, 1.6108,
9.4113

191.8150,
173.1559, 292.6833

1.1448, 0.3648,
4.9100

233.8090,

0.0621, 0.0000,

213.1897, 350.5680

2.1367

281.5242,
258.9623, 415.6218

■ 0.0000, 0.0000,
0.6375

■ 0.0000, 0.0000,
0.0000

■ 39.5345, 31.9427,
72.4885

■ 39.5345, 31.9427,
72.4885

■ 34.1706, 25.0243,
71.4364

■ 45.7801, 40.2695,
73.7671

■ 29.6392, 19.4279,
70.5950

■ 52.9462, 50.0767,
75.2824

■ 25.8908, 15.0633,
69.9501

■ 61.0733, 61.4356,
77.0465

■ 22.8687, 11.8266,
69.4846

■ 70.1984, 74.4119,
79.0703

■ 20.5067, 9.5961,
69.1786

■ 80.3561, 89.0674,
81.3637

■ 18.7096, 8.1923,
69.0023

■ 87.0852, 96.4714,
82.4381

■ 18.4631, 8.0104,
68.9802

■ 90.0513, 98.0005,
82.5770

Harmonies

Analogous

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



32.6187, 31.9427, 86.5643



39.5345, 31.9427, 72.4885



44.4082, 31.9427, 49.5475

Triad

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



39.5345, 31.9427, 72.4885



35.1542, 31.9427, 10.0967



19.1713, 31.9427, 41.4829

Complementary

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



39.5345, 31.9427, 72.4885



49.5926, 63.4363, 32.9244

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.



19.6400, 31.9427, 23.2840



39.5345, 31.9427, 72.4885



28.2092, 31.9427, 9.3242

Square

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



39.5345, 31.9427, 72.4885



41.6280, 31.9427, 15.8785



22.7284, 31.9427, 13.1251



21.3353, 31.9427, 64.7207

Rectangle

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



39.5345, 31.9427, 72.4885



45.4703, 31.9427, 34.9992



22.7284, 31.9427, 13.1251



19.0346, 31.9427, 34.5621

Sweetspot

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



39.5356, 31.9440, 72.4892



80.2212, 79.0000, 105.6282



40.0875, 44.2197, 74.8296



16.8512, 16.4622, 22.5393



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.



39.5356, 31.9440, 72.4892



48.7125, 36.4550, 99.0768



50.3972, 37.5433, 72.9975



12.9035, 12.9084, 16.4636



10.8529, 4.7191, 40.0773



0.8017, 0.3566, 2.6010

Inverse Universe

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



47.0673, 36.3590, 48.7941



60.8492, 43.5765, 60.5731



41.1588, 59.0885, 32.5297



13.3493, 13.1688, 15.1004



19.3353, 9.7352, 11.4119



1.2960, 0.6480, 0.9674

Previews

White Background



This preview shows how the XYZ color 39.5345, 31.9427, 72.4885 looks on a white background.

Color Contrast Check

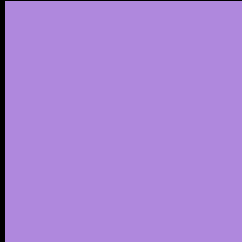
Large Text (above 18pt) WCAG AA × Fail

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 39.5345, 31.9427, 72.4885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

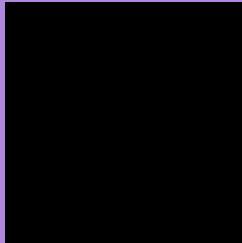
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.5345, 31.9427, 72.4885

Background



This preview shows how black text looks on a background with the XYZ color 39.5345, 31.9427, 72.4885.



This preview shows how white text looks on a background with the XYZ color 39.5345, 31.9427,

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

39.5345, 31.9427, 72.4885

Protanopia

34.0868, 32.3015, 81.5290

Deuteranopia

33.0890, 32.2643, 70.8133



Tritanopia

32.6097, 32.0323, 37.7218

Trichromacy



Original Color

39.5345, 31.9427, 72.4885

Protanomaly

35.7494, 32.0546, 78.4317

Deuteranomaly

34.9191, 31.7832, 71.3122

Tritanomaly

34.7789, 31.7589, 48.5530

Monochromacy



Original Color

39.5345, 31.9427, 72.4885

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

34.2955, 32.6827, 47.6808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5345, 31.9427, 72.4885 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(175, 136, 221)` looks like.

```
.text, #text, p{  
    color:rgb(175, 136, 221)  
}
```

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(175, 136, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 136, 221) }
```

Border

The CSS property to change the border of an element to XYZ 39.5345, 31.9427, 72.4885 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(175, 136, 221) }
```


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

```
.border{ border-color:rgb(175, 136, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 136, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 136, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 136, 221);  
box-shadow:4px 4px 4px 4px rgb(175, 136,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5345, 31.9427, 72.4885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 136, 221) }
```

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

```
.background{ background-color: rgb(175,  
136, 221) }
```

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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