

Converting Colors

XYZ(39.4555, 31.4105, 75.0967)

Have a look what the booklet for
XYZ(39.4555, 31.4105, 75.0967)
contains.

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Color

**XYZ(39.5713, 31.4851,
75.2258)**

Conversions

Conversions Part 1

Format	Color
Hex	AE86E1
RGB	174, 134, 225
RGB Percent	68%, 53%, 88%
CMY	0.3176, 0.4745, 0.1176
CMYK	0.23, 0.40, 0.00, 0.12
HSL	266°, 60%, 70%
HSV	266°, 40%, 88%
XYZ	39.5713, 31.4851, 75.2258
YIQ	156.3340, -5.3710, 36.7810

Conversions

Conversions Part 2

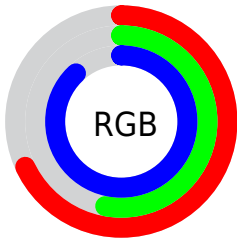
Format	Color
RYB	174, 134, 225
Decimal	11437793
CIELab	62.92, 33.20, -40.75
CIELCh	63, 52.560, 309.173
Yxy	31.4851, 0.2705, 0.2152
Android (android.graphics.Color)	4289627873 (0xFFAE86E1)
YUV	156.3340, 33.8523, 15.4931
Hunter-Lab	56.1116, 27.6874, -40.2088

Details

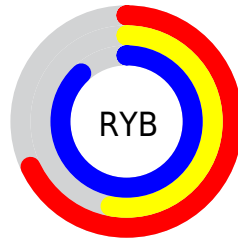
The XYZ color **39.5713, 31.4851, 75.2258** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **51.2366, 65.8866, 32.5724**, and the grayscale version is **31.6052, 33.2512, 36.2105**.

A 20% lighter version of the original color is **68.9882, 60.1754, 102.5867**, and **18.0775, 13.1983, 39.1309** is the 20% darker color. If you saturate the color by 10%, you get **34.1075, 24.5332, 74.1725**, and if you desaturate by 10%, it is **45.9627, 39.8985, 76.5134**.

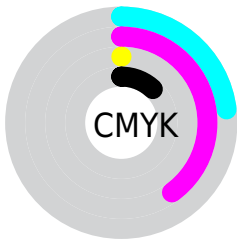
Distribution



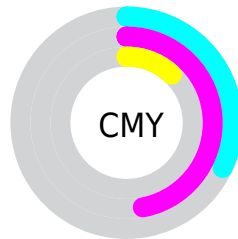
- Red (68%)
- Green (53%)
- Blue (88%)



- Red (68%)
- Yellow (53%)
- Blue (88%)



- Cyan (23%)
- Magenta (40%)
- Yellow (0%)
- Black (12%)



- Cyan (32%)
- Magenta (47%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.5713, 31.4851, 75.2258 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 39.5713, 31.4851, 75.2258 by changing the saturation by 10% instead.


 39.5713, 31.4851,
75.2258


 39.5713, 31.4851,
75.2258


335.4788,
308.7670, 497.9694


 27.3872, 20.9685,
55.2950


 73.7988, 62.0030,
128.3820

 18.0023, 13.1010,
39.2378


 96.5728, 82.7731,
162.4445

 11.0513, 7.4981,
26.6355


 123.6075,
107.7299, 202.0547

 6.1689, 3.7755,
17.0697

155.2683,
137.2577, 247.6310

 2.9897, 1.5488,
10.1217

191.9204,
171.7409, 299.5922

 1.1483, 0.3227,
5.3731

233.9294,

 0.0650, 0.0000,

211.5639, 358.3566

2.4052

281.6604,
257.1111, 424.3428

■ 0.0000, 0.0000,
0.7893

■ 0.0000, 0.0000,
0.0000

■ 39.5713, 31.4851,
75.2258

■ 39.5713, 31.4851,
75.2258

■ 34.1075, 24.5332,
74.1725

■ 45.9627, 39.8985,
76.5134

■ 29.5183, 18.9507,
73.3368

■ 53.3237, 49.8504,
78.0464

■ 25.7500, 14.6405,
72.7035

■ 61.6979, 61.4168,
79.8375

■ 22.7408, 11.4905,
72.2541

■ 71.1249, 74.6675,
81.8983

■ 20.4180, 9.3678,
71.9668

■ 81.6422, 89.6680,
84.2394

■ 18.7257, 8.0835,
71.8081

■ 88.6538, 97.2178,
85.3271

■ 90.5907, 98.2163,
85.4177

Harmonies

Analogous

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



32.1920, 31.4851, 90.3612



39.5713, 31.4851, 75.2258



44.8541, 31.4851, 50.4363

Triad

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



39.5713, 31.4851, 75.2258



35.1338, 31.4851, 8.9424



18.2137, 31.4851, 41.0134

Complementary

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



39.5713, 31.4851, 75.2258



51.2366, 65.8866, 32.5724

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.



18.7423, 31.4851, 22.0077



39.5713, 31.4851, 75.2258



27.7682, 31.4851, 8.1169

Square

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



39.5713, 31.4851, 75.2258



42.0196, 31.4851, 14.8120



21.9905, 31.4851, 11.7853



20.4082, 31.4851, 65.9988

Rectangle

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



39.5713, 31.4851, 75.2258



46.0498, 31.4851, 34.8585



21.9905, 31.4851, 11.7853



18.0876, 31.4851, 33.7117

Sweetspot

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



39.5724, 31.4864, 75.2265



80.0231, 78.8979, 105.6189



40.8909, 45.4412, 77.8506



16.8047, 16.4382, 22.5371



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.



39.5724, 31.4864, 75.2265



46.0406, 33.5096, 98.6491



51.3099, 37.5372, 75.7758



13.5209, 13.5366, 17.2879



10.9198, 4.7247, 41.3848



0.8584, 0.3798, 2.8733

Inverse Universe

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



48.3342, 36.5616, 50.4092



59.6635, 41.4123, 59.5389



42.0557, 61.1537, 32.1427



14.0273, 13.8285, 15.9138



20.1266, 10.1177, 12.5985



1.4399, 0.7192, 1.1091

Previews

White Background



This preview shows how the XYZ color 39.5713, 31.4851, 75.2258 looks on a white background.

Color Contrast Check

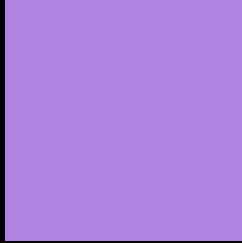
Large Text (above 18pt) WCAG AA × Fail

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 39.5713, 31.4851, 75.2258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

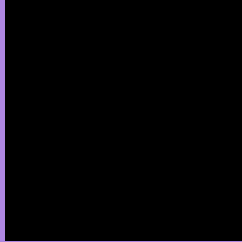
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.5713, 31.4851, 75.2258

Background



This preview shows how black text looks on a background with the XYZ color 39.5713, 31.4851, 75.2258.



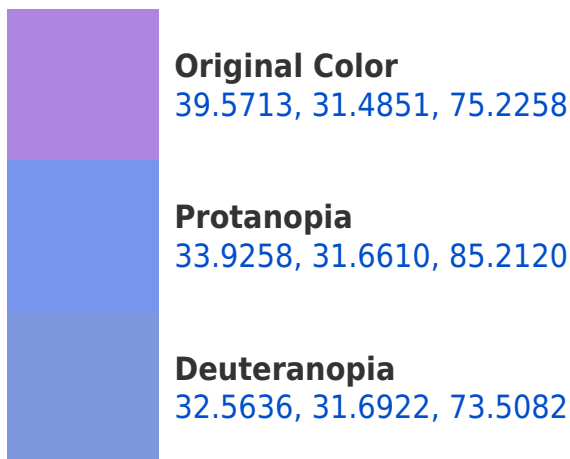
This preview shows how white text looks on a background with the XYZ color 39.5713, 31.4851,

75.2258.

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





Tritanopia

32.0393, 31.5044, 37.6500

Trichromacy



Original Color

39.5713, 31.4851, 75.2258

Protanomaly

35.4965, 31.4052, 81.2817

Deuteranomaly

34.6000, 31.3293, 74.0356

Tritanomaly

34.4105, 31.3211, 49.5793

Monochromacy



Original Color

39.5713, 31.4851, 75.2258

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

34.0347, 32.3025, 48.1573

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5713, 31.4851, 75.2258 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(174, 134, 225)` looks like.

```
.text, #text, p{  
    color:rgb(174, 134, 225)  
}
```

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(174, 134, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 134, 225) }
```

Border

The CSS property to change the border of an element to XYZ 39.5713, 31.4851, 75.2258 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(174, 134, 225) }
```


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

```
.border{ border-color:rgb(174, 134, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 134, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 134, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 134, 225);  
box-shadow:4px 4px 4px 4px rgb(174, 134,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5713, 31.4851, 75.2258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 134, 225) }
```

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

```
.background{ background-color: rgb(174,  
134, 225) }
```

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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