

Converting Colors

XYZ(69.6644, 64.1138,
103.3112)

Have a look what the booklet for
XYZ(69.6644, 64.1138, 103.3112)
contains.

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Color

**XYZ(69.8375, 64.2356,
103.3256)**

Conversions

Conversions Part 1

Format	Color
Hex	E2C7FF
RGB	226, 199, 255
RGB Percent	89%, 78%, 100%
CMY	0.1137, 0.2196, 0.0000
CMYK	0.11, 0.22, 0.00, 0.00
HSL	269°, 100%, 89%
HSV	269°, 22%, 100%
XYZ	69.8375, 64.2356, 103.3256
YIQ	213.4570, -1.8840, 23.1400

Conversions

Conversions Part 2

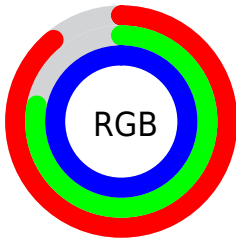
Format	Color
R _Y B	226, 199, 255
Decimal	14862335
CIE Lab	84.09, 19.77, -23.97
CIE LCh	84, 31.072, 309.511
Yxy	64.2356, 0.2942, 0.2706
Android (android.graphics.Color)	4293052415 (0xFFE2C7FF)
YUV	213.4570, 20.4807, 11.0002
Hunter-Lab	80.1471, 15.2814, -20.3336

Details

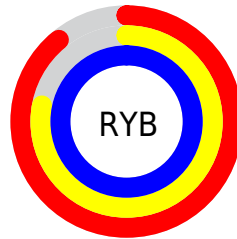
The XYZ color **69.8375, 64.2356, 103.3256** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **78.0650, 92.1381, 67.7057**, and the grayscale version is **63.4214, 66.7243, 72.6628**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.8960, 32.8741, 57.8268** is the 20% darker color. If you saturate the color by 10%, you get **60.4723, 51.4169, 101.3450**, and if you desaturate by 10%, it is **80.5084, 79.1900, 105.6497**.

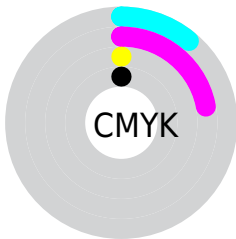
Distribution



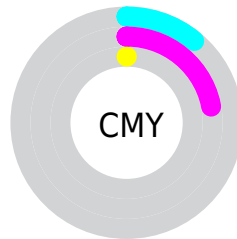
- Red (89%)
- Green (78%)
- Blue (100%)



- Red (89%)
- Yellow (78%)
- Blue (100%)



- Cyan (11%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8375, 64.2356, 103.3256 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 69.8375, 64.2356, 103.3256 by changing the saturation by 10% instead.

69.8375, 64.2356,
103.3256

69.8375, 64.2356,
103.3256

449.2546,
440.0399, 592.1405

51.6732, 46.8415,
78.4485

118.0045,
110.9502, 167.8115

36.9679, 32.9104,
57.9238

148.7379,
141.0394, 208.2573

25.3562, 22.0578,
41.3331

184.3918,
176.1293, 254.7297

16.4728, 13.8994,
28.2578

225.3314,
216.6040, 307.6474

9.9523, 8.0507,
18.2794

271.9221,
262.8480, 367.4287

5.4293, 4.1274,
10.9792

324.5293,

2.5386, 1.7451,

315.2458, 434.4923

5.9389

383.5183,
374.1816, 509.2568

■ 0.9148, 0.4526,
2.7398

■ 0.0000, 0.0000,
0.9633

■ 69.8375, 64.2356,
103.3256

■ 69.8375, 64.2356,
103.3256

■ 60.4723, 51.4169,
101.3450

■ 80.5084, 79.1900,
105.6497

■ 52.3512, 40.6245,
99.6899

■ 92.5318, 96.3669,
108.3315

■ 45.4154, 31.7509,
98.3426

95.0500, 100.0000,
108.9000

■ 39.5987, 24.6752,
97.2834

■ 34.8278, 19.2620,
96.4901

■ 31.0186, 15.3562,
95.9369

■ 28.0714, 12.7709,
95.5933

■ 26.2107, 11.4270,
95.4319

Harmonies

Analogous

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



63.2599, 64.2356, 114.2111



69.8375, 64.2356, 103.3256



74.2638, 64.2356, 84.0166

Triad

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



69.8375, 64.2356, 103.3256



65.7888, 64.2356, 40.1848



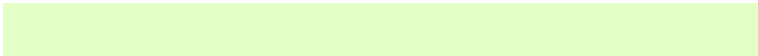
48.9458, 64.2356, 76.3721

Complementary

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



69.8375, 64.2356, 103.3256



78.0650, 92.1381, 67.7057

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.



49.5117, 64.2356, 57.5336



69.8375, 64.2356, 103.3256



58.9000, 64.2356, 38.9059

Square

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



69.8375, 64.2356, 103.3256



71.8075, 64.2356, 48.5531



53.0397, 64.2356, 44.6556



51.4316, 64.2356, 96.8374

Rectangle

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



69.8375, 64.2356, 103.3256



75.2182, 64.2356, 70.2644



53.0397, 64.2356, 44.6556



48.7899, 64.2356, 69.6199

Sweetspot

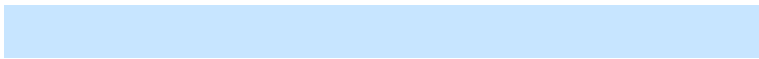
The Sweet Spot groups the original color and five complimentary colors.



69.8393, 64.2382, 103.3260



86.2982, 87.4240, 106.9339



69.5875, 75.3289, 105.4800



18.3167, 18.4915, 22.8538



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.



69.8393, 64.2382, 103.3260



65.9003, 58.8060, 102.4851



79.0312, 68.9768, 103.7562



17.8365, 17.8074, 22.7470



13.8661, 6.0587, 49.8732



1.4755, 0.6546, 4.8618

Inverse Universe

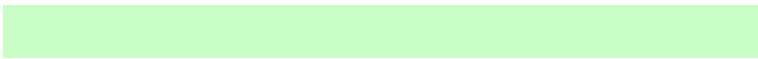
The Inverse Universe completely reimagines the original color for something new.



75.6685, 67.7106, 82.4818



72.6970, 62.8558, 78.1369



70.1222, 88.0434, 67.3340



18.4022, 18.1442, 20.7350



23.8029, 12.0104, 12.8782



2.3728, 1.1915, 1.5448

Previews

White Background



This preview shows how the XYZ color 69.8375, 64.2356, 103.3256 looks on a white background.

Color Contrast Check

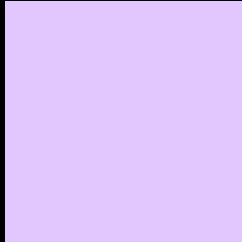
Large Text (above 18pt) WCAG AA × Fail

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 69.8375, 64.2356, 103.3256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

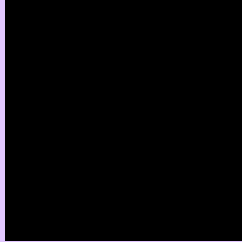
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.8375, 64.2356, 103.3256

Background



This preview shows how black text looks on a background with the XYZ color 69.8375, 64.2356, 103.3256.

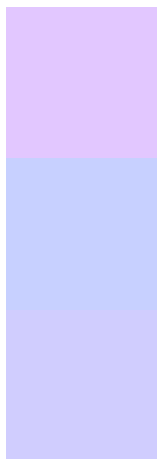


This preview shows how white text looks on a background with the XYZ color 69.8375, 64.2356,

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

69.8375, 64.2356, 103.3256

Protanopia

64.1591, 64.4739, 103.6709

Deuteranopia

65.7331, 64.2283, 102.6987



Tritanopia

64.7013, 64.2553, 77.3990

Trichromacy



Original Color

69.8375, 64.2356, 103.3256

Protanomaly

66.1758, 64.4380, 103.5577

Deuteranomaly

67.2697, 64.3147, 102.6344

Tritanomaly

66.4953, 64.2830, 85.9940

Monochromacy



Original Color

69.8375, 64.2356, 103.3256

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

65.4729, 65.6186, 82.6137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8375, 64.2356, 103.3256 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(226, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 199, 255)  
}
```

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(226, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 199, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.8375, 64.2356, 103.3256 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(226, 199, 255) }
```


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

```
.border{ border-color:rgb(226, 199, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 199,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8375, 64.2356, 103.3256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 199, 255) }
```

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

```
.background{ background-color: rgb(226,  
199, 255) }
```

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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