

Converting Colors

XYZ(69.9910, 64.0961,
103.2906)

Have a look what the booklet for
XYZ(69.9910, 64.0961, 103.2906)
contains.

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Color

**XYZ(69.9226, 63.9391,
103.2639)**

Conversions

Conversions Part 1

Format	Color
Hex	E3C6FF
RGB	227, 198, 255
RGB Percent	89%, 78%, 100%
CMY	0.1098, 0.2235, 0.0000
CMYK	0.11, 0.22, 0.00, 0.00
HSL	271°, 100%, 89%
HSV	271°, 22%, 100%
XYZ	69.9226, 63.9391, 103.2639
YIQ	213.1690, -1.0130, 23.8750

Conversions

Conversions Part 2

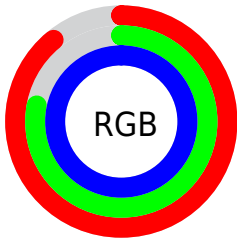
Format	Color
R _Y B	227, 198, 255
Decimal	14927615
CIE Lab	83.93, 20.62, -24.20
CIE LCh	84, 31.790, 310.430
Yxy	63.9391, 0.2949, 0.2696
Android (android.graphics.Color)	4293117695 (0xFFE3C6FF)
YUV	213.1690, 20.6227, 12.1298
Hunter-Lab	79.9619, 16.1557, -20.5945

Details

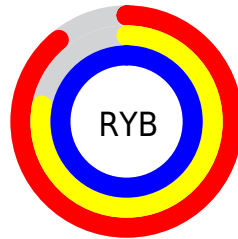
The XYZ color **69.9226, 63.9391, 103.2639** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **77.3186, 91.7667, 67.0668**, and the grayscale version is **63.2274, 66.5202, 72.4405**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.9609, 32.6817, 57.7862** is the 20% darker color. If you saturate the color by 10%, you get **60.7694, 51.2855, 101.3039**, and if you desaturate by 10%, it is **80.3481, 78.7085, 105.5652**.

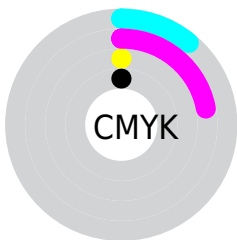
Distribution



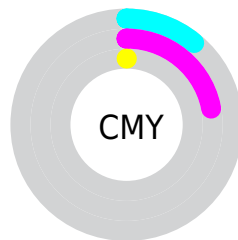
- Red (89%)
- Green (78%)
- Blue (100%)



- 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 69.9226, 63.9391, 103.2639 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 69.9226, 63.9391, 103.2639 by changing the saturation by 10% instead.

69.9226, 63.9391,
103.2639

69.9226, 63.9391,
103.2639

449.5488,
438.9697, 591.9429

51.7428, 46.6014,
78.3971

118.1252,
110.5232, 167.7262

37.0236, 32.7206,
57.8819

148.8788,
140.5384, 208.1588

25.3995, 21.9125,
41.2996

184.5543,
175.5482, 254.6171

16.5052, 13.7926,
28.2318

225.5172,
215.9369, 307.5197

9.9755, 7.9766,
18.2599

272.1327,
262.0890, 367.2850

5.4449, 4.0800,
10.9654

324.7662,

2.5480, 1.7184,

314.3889, 434.3316

5.9297

383.7832,
373.2210, 509.0781

■ 0.9195, 0.4355,
2.7343

■ 0.0000, 0.0000,
0.9606

■ 69.9226, 63.9391,
103.2639

■ 69.9226, 63.9391,
103.2639

■ 60.7694, 51.2855,
101.3039

■ 80.3481, 78.7085,
105.5652

■ 52.8278, 40.6384,
99.6674

■ 92.0921, 95.6802,
108.2221

■ 46.0401, 31.8907,
98.3367

95.0500, 100.0000,
108.9000

■ 40.3411, 24.9215,
97.2919

■ 35.6580, 19.5956,
96.5107

■ 31.9080, 15.7574,
95.9675

■ 28.9918, 13.2192,
95.6313

■ 27.2152, 11.9448,
95.4789

Harmonies

Analogous

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



63.2408, 63.9391, 114.8099



69.9226, 63.9391, 103.2639



74.3523, 63.9391, 83.3403

Triad

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



69.9226, 63.9391, 103.2639



65.3914, 63.9391, 39.2562



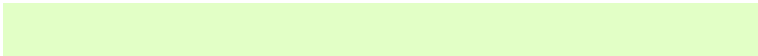
48.4765, 63.9391, 76.8308

Complementary

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



69.9226, 63.9391, 103.2639



77.3186, 91.7667, 67.0668

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.



48.9553, 63.9391, 57.4927



69.9226, 63.9391, 103.2639



58.3686, 63.9391, 38.1815

Square

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



69.9226, 63.9391, 103.2639



71.6005, 63.9391, 47.4990



52.4571, 63.9391, 44.2129



51.0947, 63.9391, 97.7192

Rectangle

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



69.9226, 63.9391, 103.2639



75.2445, 63.9391, 69.3298



52.4571, 63.9391, 44.2129



48.2858, 63.9391, 69.9087

Sweetspot

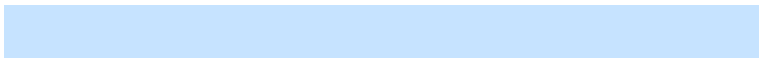
The Sweet Spot groups the original color and five complimentary colors.



69.9244, 63.9417, 103.2643



86.4649, 87.5100, 106.9417



68.6733, 73.8929, 105.2510



18.3553, 18.5114, 22.8556



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.



69.9244, 63.9417, 103.2643



65.5136, 57.8012, 102.3115



79.4852, 68.8705, 103.7117



17.8841, 17.8320, 22.7493



14.3934, 6.3305, 49.8979



1.5275, 0.6814, 4.8643

Inverse Universe

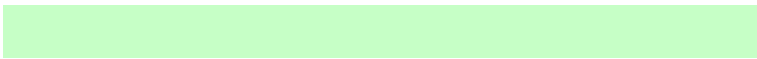
The Inverse Universe completely reimagines the original color for something new.



75.1631, 67.1417, 80.9519



71.7450, 61.6069, 75.8004



69.2437, 87.6039, 66.6889



18.3813, 18.1358, 20.6252



23.5669, 11.9160, 11.6356



2.3496, 1.1822, 1.4226

Previews

White Background



This preview shows how the XYZ color 69.9226, 63.9391, 103.2639 looks on a white background.

Color Contrast Check

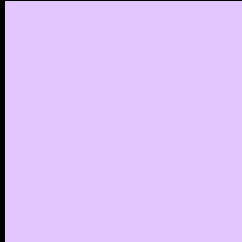
Large Text (above 18pt) WCAG AA × Fail

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 69.9226, 63.9391, 103.2639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

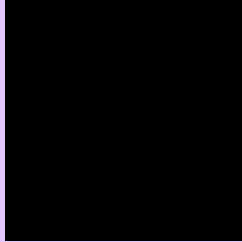
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.9226, 63.9391, 103.2639

Background



This preview shows how black text looks on a background with the XYZ color 69.9226, 63.9391, 103.2639.

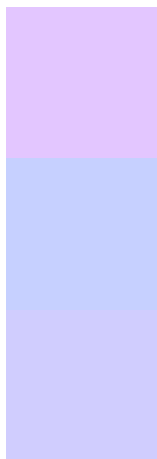


This preview shows how white text looks on a background with the XYZ color 69.9226, 63.9391,

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

69.9226, 63.9391, 103.2639

Protanopia

63.8946, 64.3375, 103.6585

Deuteranopia

65.7331, 64.2283, 102.6987



Tritanopia

64.3299, 63.7252, 76.6198

Trichromacy



Original Color

69.9226, 63.9391, 103.2639

Protanomaly

65.9374, 63.9610, 103.4782

Deuteranomaly

67.0343, 63.8439, 102.5559

Tritanomaly

66.2599, 63.8122, 85.9155

Monochromacy



Original Color

69.9226, 63.9391, 103.2639

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 69.9226, 63.9391, 103.2639 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(227, 198, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 198, 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(227, 198, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 198, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.9226, 63.9391, 103.2639 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(227, 198, 255) }
```


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

```
.border{ border-color:rgb(227, 198, 255) }
```

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

Here you see how a box with a 4 pixel rgb(227, 198, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 198, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 198, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 198,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9226, 63.9391, 103.2639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 198, 255) }
```

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

```
.background{ background-color: rgb(227,  
198, 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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