

Converting Colors

XYZ(69.6955, 64.4112,
103.3670)

Have a look what the booklet for
XYZ(69.6955, 64.4112, 103.3670)
contains.

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Color

**XYZ(69.7556, 64.5361,
103.3879)**

Conversions

Conversions Part 1

Format	Color
Hex	E1C8FF
RGB	225, 200, 255
RGB Percent	88%, 78%, 100%
CMY	0.1176, 0.2157, 0.0000
CMYK	0.12, 0.22, 0.00, 0.00
HSL	267°, 100%, 89%
HSV	267°, 22%, 100%
XYZ	69.7556, 64.5361, 103.3879
YIQ	213.7450, -2.7550, 22.4050

Conversions

Conversions Part 2

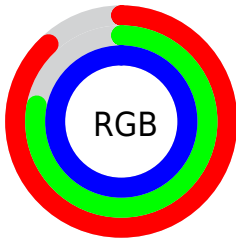
Format	Color
R _Y B	225, 200, 255
Decimal	14797055
CIE Lab	84.24, 18.92, -23.74
CIE LCh	84, 30.359, 308.552
Yxy	64.5361, 0.2935, 0.2715
Android (android.graphics.Color)	4292987135 (0xFFE1C8FF)
YUV	213.7450, 20.3387, 9.8706
Hunter-Lab	80.3344, 14.4092, -20.0704

Details

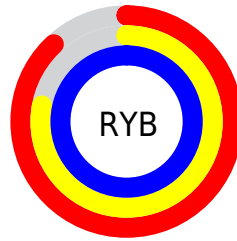
The XYZ color **69.7556, 64.5361, 103.3879** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **78.8199, 92.5138, 68.3493**, and the grayscale version is **63.6158, 66.9288, 72.8854**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.8341, 33.0700, 57.8679** is the 20% darker color. If you saturate the color by 10%, you get **60.1744, 51.5502, 101.3864**, and if you desaturate by 10%, it is **80.6786, 79.6792, 105.7351**.

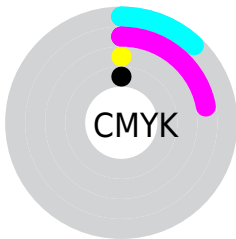
Distribution



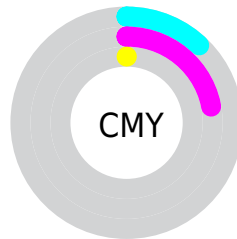
- Red (88%)
- Green (78%)
- Blue (100%)



- Red (88%)
- Yellow (78%)
- Blue (100%)



- Cyan (12%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.7556, 64.5361, 103.3879 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 69.7556, 64.5361, 103.3879 by changing the saturation by 10% instead.

69.7556, 64.5361,
103.3879

69.7556, 64.5361,
103.3879

448.9712,
441.1230, 592.3400

51.6062, 47.0850,
78.5003

117.8883,
111.3826, 167.8975

36.9143, 33.1029,
57.9662

148.6024,
141.5469, 208.3567

25.3145, 22.2053,
41.3669

184.2353,
176.7177, 254.8434

16.4415, 14.0078,
28.2841

225.1525,
217.2794, 307.7763

9.9299, 8.1261,
18.2990

271.7194,
263.6163, 367.5739

5.4144, 4.1757,
10.9932

324.3012,

2.5297, 1.7723,

316.1130, 434.6546

5.9482

383.2634,
375.1538, 509.4372

■ 0.9102, 0.4698,
2.7453

■ 0.0000, 0.0000,
0.9661

■ 69.7556, 64.5361,
103.3879

■ 69.7556, 64.5361,
103.3879

■ 60.1744, 51.5502,
101.3864

■ 80.6786, 79.6792,
105.7351

■ 51.8723, 40.6116,
99.7126

■ 92.9915, 97.0664,
108.4423

■ 44.7895, 31.6125,
98.3489

95.0500, 100.0000,
108.9000

■ 38.8588, 24.4317,
97.2755

■ 34.0053, 18.9340,
96.4701

■ 30.1444, 14.9642,
95.9073

■ 27.1751, 12.3362,
95.5566

■ 25.2401, 10.9266,
95.3865

Harmonies

Analogous

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



63.2824, 64.5361, 113.6155



69.7556, 64.5361, 103.3879



74.1780, 64.5361, 84.6975

Triad

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



69.7556, 64.5361, 103.3879



66.1900, 64.5361, 41.1315



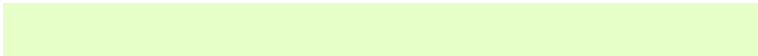
49.4216, 64.5361, 75.9202

Complementary

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



69.7556, 64.5361, 103.3879



78.8199, 92.5138, 68.3493

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.



50.0753, 64.5361, 57.5796



69.7556, 64.5361, 103.3879



59.4370, 64.5361, 39.6434

Square

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



69.7556, 64.5361, 103.3879



72.0170, 64.5361, 49.6256



53.6294, 64.5361, 45.1060



51.7735, 64.5361, 95.9648

Rectangle

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



69.7556, 64.5361, 103.3879



75.1942, 64.5361, 71.2090



53.6294, 64.5361, 45.1060



49.3008, 64.5361, 69.3370

Sweetspot

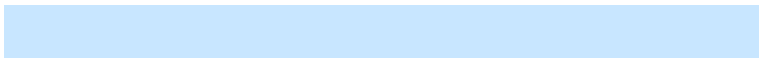
The Sweet Spot groups the original color and five complimentary colors.



69.7574, 64.5387, 103.3883



87.3578, 89.0751, 107.1967



70.2378, 76.2341, 105.6205



18.5256, 18.8219, 22.9065



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.



69.7574, 64.5387, 103.3883



65.3472, 58.5209, 102.4592



78.9410, 69.2730, 103.8181



17.7873, 17.7821, 22.7447



13.3555, 5.7955, 49.8493



1.4244, 0.6282, 4.8595

Inverse Universe

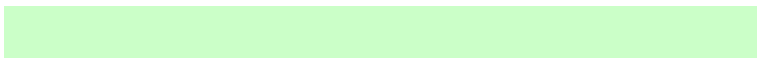
The Inverse Universe completely reimagines the original color for something new.



76.1787, 68.2841, 84.0300



72.9452, 62.9551, 79.4440



70.7477, 88.3524, 67.9715



18.4239, 18.1529, 20.8494



24.0638, 12.1148, 14.2521



2.3981, 1.2016, 1.6781

Previews

White Background



This preview shows how the XYZ color 69.7556, 64.5361, 103.3879 looks on a white background.

Color Contrast Check

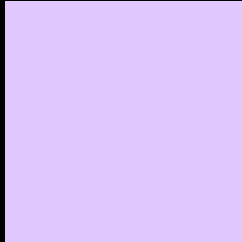
Large Text (above 18pt) WCAG AA × Fail

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 69.7556, 64.5361, 103.3879 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 69.7556, 64.5361, 103.3879

Background



This preview shows how black text looks on a background with the XYZ color 69.7556, 64.5361, 103.3879.



This preview shows how white text looks on a background with the XYZ color 69.7556, 64.5361,

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

69.7556, 64.5361, 103.3879

Protanopia

64.1591, 64.4739, 103.6709

Deuteranopia

66.2552, 64.8537, 102.7919



Tritanopia

64.7713, 64.6322, 78.1687

Trichromacy



Original Color

69.7556, 64.5361, 103.3879

Protanomaly

65.8937, 64.2925, 103.5445

Deuteranomaly

67.5066, 64.7886, 102.7134

Tritanomaly

66.5683, 64.6558, 86.8132

Monochromacy



Original Color

69.7556, 64.5361, 103.3879

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

65.8568, 66.1635, 83.4285

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7556, 64.5361, 103.3879 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(225, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(225, 200, 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(225, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 200, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.7556, 64.5361, 103.3879 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(225, 200, 255) }
```


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

```
.border{ border-color:rgb(225, 200, 255) }
```

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

Here you see how a box with a 4 pixel rgb(225, 200, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(225, 200,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7556, 64.5361, 103.3879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 200, 255) }
```

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

```
.background{ background-color: rgb(225,  
200, 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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