

Converting Colors

XYZ(70.6248, 64.4896,
103.3342)

Have a look what the booklet for
XYZ(70.6248, 64.4896, 103.3342)
contains.

XYZ(70.7865, 64.7249, 103.3700)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.7865, 64.7249,
103.3700)**

Conversions

Conversions Part 1

Format	Color
Hex	E5C7FF
RGB	229, 199, 255
RGB Percent	90%, 78%, 100%
CMY	0.1020, 0.2196, 0.0000
CMYK	0.10, 0.22, 0.00, 0.00
HSL	272°, 100%, 89%
HSV	272°, 22%, 100%
XYZ	70.7865, 64.7249, 103.3700
YIQ	214.3540, -0.0960, 23.7760

Conversions

Conversions Part 2

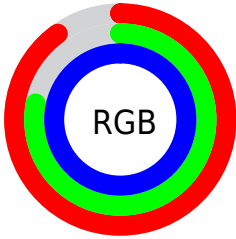
Format	Color
R _Y B	229, 199, 255
Decimal	15058943
CIE Lab	84.34, 20.71, -23.56
CIE LCh	84, 31.371, 311.314
Yxy	64.7249, 0.2963, 0.2709
Android (android.graphics.Color)	4293249023 (0xFFE5C7FF)
YUV	214.3540, 20.0385, 12.8445
Hunter-Lab	80.4518, 16.2648, -19.8636

Details

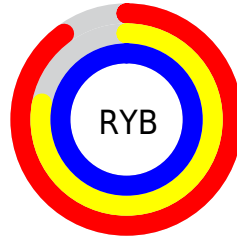
The XYZ color **70.7865, 64.7249, 103.3700** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **77.1217, 91.6518, 67.6618**, and the grayscale version is **64.0259, 67.3602, 73.3552**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.5520, 33.2123, 57.8575** is the 20% darker color. If you saturate the color by 10%, you get **61.7542, 52.0779, 101.4050**, and if you desaturate by 10%, it is **81.0631, 79.4761, 105.6757**.

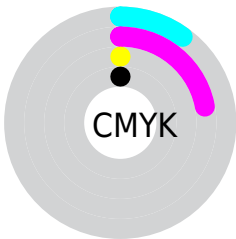
Distribution



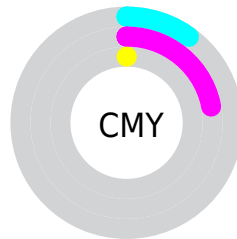
- Red (90%)
- Green (78%)
- Blue (100%)



- Red (90%)
- Yellow (78%)
- Blue (100%)



- Cyan (10%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7865, 64.7249, 103.3700 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 70.7865, 64.7249, 103.3700 by changing the saturation by 10% instead.

70.7865, 64.7249,
103.3700

70.7865, 64.7249,
103.3700

452.5302,
441.8027, 592.2827

52.4499, 47.2380,
78.4854

119.3498,
111.6543, 167.8728

37.5895, 33.2239,
57.9540

150.3073,
141.8655, 208.3281

25.8400, 22.2980,
41.3572

186.2024,
177.0871, 254.8108

16.8360, 14.0760,
28.2765

227.4005,
217.7033, 307.7393

10.2122, 8.1736,
18.2933

274.2670,
264.0986, 367.5322

5.6033, 4.2062,
10.9892

327.1672,

2.6437, 1.7896,

316.6573, 434.6080

5.9455

386.4665,
375.7639, 509.3854

■ 0.9683, 0.4807,
2.7437

■ 0.0000, 0.0000,
0.9653

■ 70.7865, 64.7249,
103.3700

■ 70.7865, 64.7249,
103.3700

■ 61.7542, 52.0779,
101.4050

■ 81.0631, 79.4761,
105.6757

■ 53.9068, 41.4266,
99.7627

■ 92.6291, 96.4172,
108.3360

■ 47.1875, 32.6646,
98.4256

95.0500, 100.0000,
108.9000

■ 41.5326, 25.6722,
97.3740

■ 36.8709, 20.3153,
96.5857

■ 33.1209, 16.4400,
96.0353

■ 30.1856, 13.8609,
95.6922

■ 28.3020, 12.5051,
95.5298

Harmonies

Analogous

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



64.1828, 64.7249, 115.1475



70.7865, 64.7249, 103.3700



75.0911, 64.7249, 83.4846

Triad

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



70.7865, 64.7249, 103.3700



65.9083, 64.7249, 40.0387



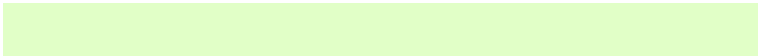
49.3042, 64.7249, 78.2664

Complementary

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



70.7865, 64.7249, 103.3700



77.1217, 91.6518, 67.6618

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.



49.6896, 64.7249, 58.8914



70.7865, 64.7249, 103.3700



58.9301, 64.7249, 39.1698

Square

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



70.7865, 64.7249, 103.3700



72.1314, 64.7249, 48.0735



53.0980, 64.7249, 45.4227



52.0023, 64.7249, 98.9351

Rectangle

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



70.7865, 64.7249, 103.3700



75.8959, 64.7249, 69.5990



53.0980, 64.7249, 45.4227



49.0832, 64.7249, 71.3571

Sweetspot

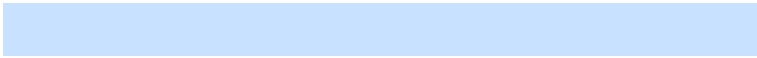
The Sweet Spot groups the original color and five complimentary colors.



70.7883, 64.7276, 103.3705



86.6340, 87.5972, 106.9496



68.5666, 73.2868, 105.1397



18.3944, 18.5316, 22.8574



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.



70.7883, 64.7276, 103.3705



66.9910, 59.3683, 102.5362



79.4155, 69.2096, 102.2132



17.9324, 17.8569, 22.7515



14.9626, 6.6240, 49.9245



1.5830, 0.7100, 4.8669

Inverse Universe

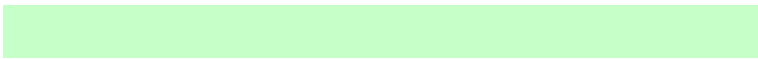
The Inverse Universe completely reimagines the original color for something new.



75.2556, 67.5456, 80.3076



72.2230, 62.6662, 75.6406



69.8421, 87.8738, 68.4595



18.3603, 18.1274, 20.5144



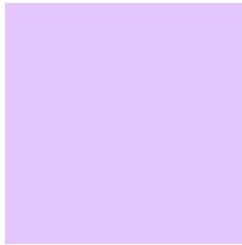
23.3434, 11.8267, 10.4588



2.3274, 1.1733, 1.3054

Previews

White Background



This preview shows how the XYZ color 70.7865, 64.7249, 103.3700 looks on a white background.

Color Contrast Check

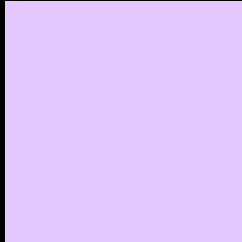
Large Text (above 18pt) WCAG AA × Fail

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 70.7865, 64.7249, 103.3700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

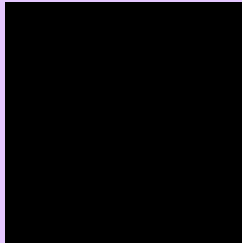
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.7865, 64.7249, 103.3700

Background



This preview shows how black text looks on a background with the XYZ color 70.7865, 64.7249, 103.3700.

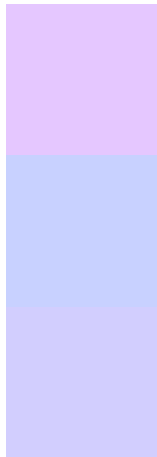


This preview shows how white text looks on a background with the XYZ color 70.7865, 64.7249,

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

70.7865, 64.7249, 103.3700

Protanopia

64.6699, 65.1003, 103.7649

Deuteranopia

66.5390, 65.0000, 102.8052



Tritanopia

65.6229, 64.7304, 77.4421

Trichromacy



Original Color

70.7865, 64.7249, 103.3700

Protanomaly

66.7453, 64.7315, 103.5843

Deuteranomaly

67.8606, 64.6193, 102.6621

Tritanomaly

67.4279, 64.7638, 86.0376

Monochromacy



Original Color

70.7865, 64.7249, 103.3700

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

66.1567, 66.3181, 83.4426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7865, 64.7249, 103.3700 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(229, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 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(229, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 199, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.7865, 64.7249, 103.3700 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(229, 199, 255) }
```


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

```
.border{ border-color:rgb(229, 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(229, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 199,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7865, 64.7249, 103.3700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 199, 255) }
```

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

```
.background{ background-color: rgb(229,  
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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