

Converting Colors

XYZ(99.7935, 77.6776,
147.6517)

Have a look what the booklet for
XYZ(99.7935, 77.6776, 147.6517)
contains.

XYZ(79.0299, 67.9599, 103.5600)	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(79.0299, 67.9599,
103.5600)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC4FF
RGB	255, 196, 255
RGB Percent	100%, 77%, 100%
CMY	0.0000, 0.2313, 0.0000
CMYK	0.00, 0.23, 0.00, 0.00
HSL	300°, 100%, 88%
HSV	300°, 23%, 100%
XYZ	79.0299, 67.9599, 103.5600
YIQ	220.3670, 16.2250, 30.8570

Conversions

Conversions Part 2

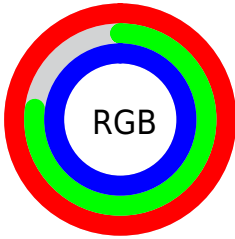
Format	Color
R_{YB}	255, 196, 255
Decimal	16762111
CIE _{Lab}	85.99, 30.57, -20.85
CIE _{LCh}	86, 37.004, 325.710
Yxy	67.9599, 0.3154, 0.2712
Android (android.graphics.Color)	4294952191 (0xFFFFC4FF)
YUV	220.3670, 17.0741, 30.3731
Hunter-Lab	82.4378, 26.8549, -16.7748

Details

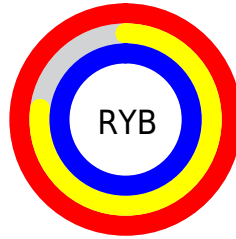
The XYZ color **79.0299, 67.9599, 103.5600** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **68.4910, 87.2423, 65.4577**, and the grayscale version is **68.1617, 71.7114, 78.0938**.

A 20% lighter version of the original color is **94.4153, 98.7306, 108.6884**, and **43.1547, 35.4290, 57.9901** is the 20% darker color. If you saturate the color by 10%, you get **73.7597, 57.4195, 101.8032**, and if you desaturate by 10%, it is **85.2802, 80.4604, 105.6434**.

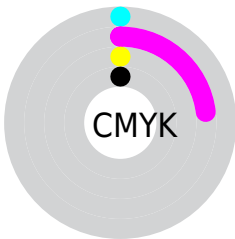
Distribution



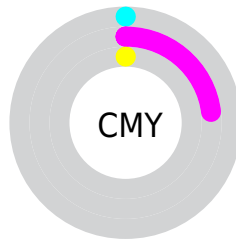
- Red (100%)
- Green (77%)
- Blue (100%)



- Red (100%)
- Yellow (77%)
- Blue (100%)



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





- Cyan (0%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 79.0299, 67.9599, 103.5600 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 79.0299, 67.9599, 103.5600 by changing the saturation by 10% instead.


 79.0299, 67.9599,
103.5600

 79.0299, 67.9599,
103.5600


480.4440,
453.3539, 592.8909

 59.2261, 49.8651,
78.6436


130.9587,
116.2948, 168.1353

 43.0422, 35.3062,
58.0832

163.8143,
147.3037, 208.6312

 30.1129, 23.8989,
41.4604


201.7514,
183.3860, 255.1574

 20.0728, 15.2586,
28.3566

245.1351,
224.9263, 308.1324

 12.5566, 9.0011,
18.3533

294.3308,
272.3088, 367.9747

 7.1988, 4.7419,
11.0319

349.7040,

 3.6342, 2.0966,

325.9180, 435.1028

5.9738

411.6199,
386.1382, 509.9354

■ 1.4973, 0.6627,
2.7606

■ 0.3240, 0.0000,
0.9738

■ 79.0299, 67.9599,
103.5600

■ 79.0299, 67.9599,
103.5600

■ 73.7597, 57.4195,
101.8032

■ 85.2802, 80.4604,
105.6434

■ 69.4163, 48.7326,
100.3554

■ 92.5526, 95.0051,
108.0675

■ 65.9472, 41.7944,
99.1991

95.0500, 100.0000,
108.9000

■ 63.2932, 36.4865,
98.3144

■ 61.3879, 32.6757,
97.6793

■ 60.1541, 30.2082,
97.2680

■ 59.4984, 28.8968,
97.0495

■ 59.2900, 28.4800,
96.9800

Harmonies

Analogous

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



71.9319, 67.9599, 124.5742



79.0299, 67.9599, 103.5600



82.2639, 67.9599, 77.5468

Triad

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



79.0299, 67.9599, 103.5600



65.8218, 67.9599, 36.5033



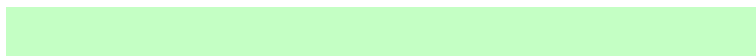
50.9831, 67.9599, 96.1697

Complementary

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



79.0299, 67.9599, 103.5600



68.4910, 87.2423, 65.4577

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.



49.6546, 67.9599, 70.5568



79.0299, 67.9599, 103.5600



57.7727, 67.9599, 39.3815

Square

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



79.0299, 67.9599, 103.5600



74.2266, 67.9599, 41.7215



52.0324, 67.9599, 50.6745



55.8328, 67.9599, 119.6938

Rectangle

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



79.0299, 67.9599, 103.5600



81.6035, 67.9599, 62.0545



52.0324, 67.9599, 50.6745



50.1291, 67.9599, 87.3806

Sweetspot

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



79.0313, 67.9625, 103.5604



89.6176, 89.1353, 107.0892



60.5577, 58.4391, 102.6959



19.0868, 18.8885, 22.8898



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.



79.0313, 67.9625, 103.5604



76.3475, 62.5950, 102.6658



74.6406, 66.2062, 80.4395



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Inverse Universe

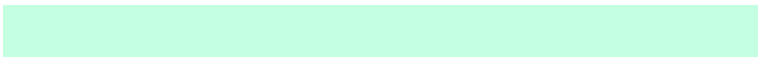
The Inverse Universe completely reimagines the original color for something new.



79.0313, 67.9625, 103.5604



76.3475, 62.5950, 102.6658



72.1858, 88.7203, 84.9146



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Previews

White Background



This preview shows how the XYZ color 79.0299, 67.9599, 103.5600 looks on a white background.

Color Contrast Check

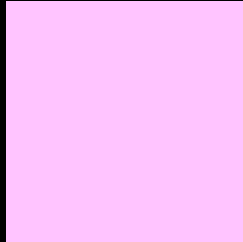
Large Text (above 18pt) WCAG AA × Fail

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 79.0299, 67.9599, 103.5600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

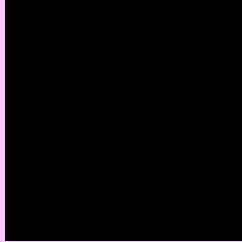
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 79.0299, 67.9599, 103.5600

Background



This preview shows how black text looks on a background with the XYZ color 79.0299, 67.9599, 103.5600.



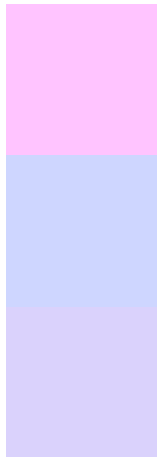
This preview shows how white text looks on a background with the XYZ color 79.0299, 67.9599,

103.5600.

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

79.0299, 67.9599, 103.5600

Protanopia

67.5502, 68.4349, 104.2567

Deuteranopia

69.5307, 68.0269, 101.5613



Tritanopia

73.4352, 68.0978, 75.6034

Trichromacy



Original Color

79.0299, 67.9599, 103.5600



Protanomaly

71.1033, 67.6929, 103.9262



Deuteranomaly

72.5159, 67.7434, 102.1823



Tritanomaly

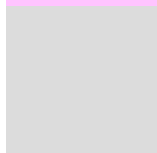
75.2230, 67.7735, 84.7182

Monochromacy



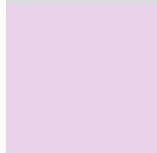
Original Color

79.0299, 67.9599, 103.5600



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

71.6065, 69.7954, 86.7886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.0299, 67.9599, 103.5600 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(255, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 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(255, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 255) }
```

Border

The CSS property to change the border of an element to XYZ 79.0299, 67.9599, 103.5600 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(255, 196, 255) }
```


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

```
.border{ border-color:rgb(255, 196, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 79.0299, 67.9599, 103.5600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 196, 255) }
```

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

```
.background{ background-color: rgb(255,  
196, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor