

Converting Colors

XYZ(79.4858, 68.8432,
116.1822)

Have a look what the booklet for
XYZ(79.4858, 68.8432, 116.1822)
contains.

XYZ(77.1848, 68.0233, 103.6695)	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(77.1848, 68.0233,
103.6695)**

Conversions

Conversions Part 1

Format	Color
Hex	F8C7FF
RGB	248, 199, 255
RGB Percent	97%, 78%, 100%
CMY	0.0274, 0.2196, 0.0000
CMYK	0.03, 0.22, 0.00, 0.00
HSL	293°, 100%, 89%
HSV	293°, 22%, 100%
XYZ	77.1848, 68.0233, 103.6695
YIQ	220.0350, 11.2280, 27.8040

Conversions

Conversions Part 2

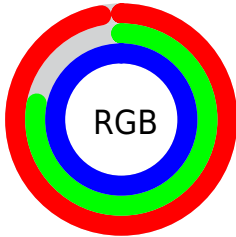
Format	Color
R _Y B	248, 199, 255
Decimal	16304127
CIE Lab	86.02, 26.75, -20.86
CIE LCh	86, 33.922, 322.048
Yxy	68.0233, 0.3101, 0.2733
Android (android.graphics.Color)	4294494207 (0xFFFF8C7FF)
YUV	220.0350, 17.2377, 24.5253
Hunter-Lab	82.4762, 22.7145, -16.7919

Details

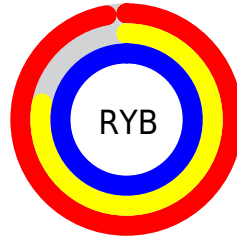
The XYZ color **77.1848, 68.0233, 103.6695** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **71.5241, 88.7661, 67.4001**, and the grayscale version is **67.9317, 71.4694, 77.8302**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8043, 35.4044, 58.0565** is the 20% darker color. If you saturate the color by 10%, you get **70.6822, 56.6805, 101.8228**, and if you desaturate by 10%, it is **84.6934, 81.3478, 105.8456**.

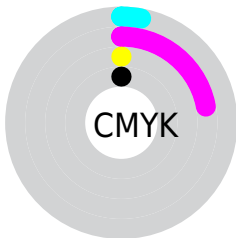
Distribution



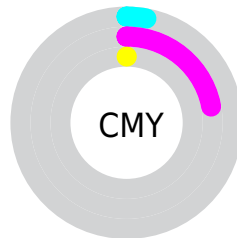
- Red (97%)
- Green (78%)
- Blue (100%)



- Red (97%)
- Yellow (78%)
- Blue (100%)



- Cyan (3%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (3%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.1848, 68.0233, 103.6695 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 77.1848, 68.0233, 103.6695 by changing the saturation by 10% instead.

77.1848, 68.0233,
103.6695

77.1848, 68.0233,
103.6695

474.2762,
453.5786, 593.2413

57.7050, 49.9167,
78.7347

128.3718,
116.3855, 168.2865

41.8139, 35.3472,
58.1577

160.8097,
147.4098, 208.8059

29.1461, 23.9305,
41.5199

198.2976,
183.5089, 255.3571

19.3362, 15.2820,
28.4028

241.2010,
225.0670, 308.3589

12.0189, 9.0176,
18.3878

289.8853,
272.4687, 368.2296

6.8288, 4.7526,
11.0565

344.7156,

3.4007, 2.1029,

326.0982, 435.3879

5.9902

406.0574,
386.3401, 510.2523

■ 1.3690, 0.6662,
2.7704

■ 0.2340, 0.0000,
0.9786

■ 77.1848, 68.0233,
103.6695

■ 77.1848, 68.0233,
103.6695

■ 70.6822, 56.6805,
101.8228

■ 84.6934, 81.3478,
105.8456

■ 65.1310, 47.2130,
100.2880

■ 93.2480, 96.7364,
108.3650

■ 60.4798, 39.5170,
99.0477

95.0500, 100.0000,
108.9000

■ 56.6699, 33.4758,
98.0824

■ 53.6358, 28.9580,
97.3703

■ 51.3019, 25.8126,
96.8862

■ 49.5768, 23.8574,
96.5997

■ 48.5214, 22.9286,
96.4760

Harmonies

Analogous

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



70.4350, 68.0233, 121.3071



77.1848, 68.0233, 103.6695



80.6340, 68.0233, 80.1539

Triad

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



77.1848, 68.0233, 103.6695



66.7464, 68.0233, 39.2158



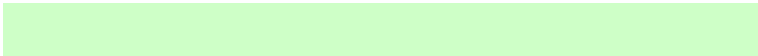
51.7536, 68.0233, 91.3442

Complementary

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



77.1848, 68.0233, 103.6695



71.5241, 88.7661, 67.4001

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.



50.9386, 68.0233, 68.2941



77.1848, 68.0233, 103.6695



59.1985, 68.0233, 41.0241

Square

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



77.1848, 68.0233, 103.6695



74.2997, 68.0233, 45.1539



53.5588, 68.0233, 50.7138



55.8816, 68.0233, 113.2547

Rectangle

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



77.1848, 68.0233, 103.6695



80.4190, 68.0233, 65.4767



53.5588, 68.0233, 50.7138



51.0972, 68.0233, 83.3750

Sweetspot

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



77.1867, 68.0262, 103.6699



88.8016, 88.7146, 107.0510



63.7896, 63.7328, 103.5473



18.8972, 18.7907, 22.8809



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.



77.1867, 68.0262, 103.6699



74.4400, 63.2084, 102.8848



76.5834, 68.0769, 87.2992



18.5561, 18.1784, 22.7807



25.4413, 12.0260, 50.4149



2.5371, 1.2018, 4.9115

Inverse Universe

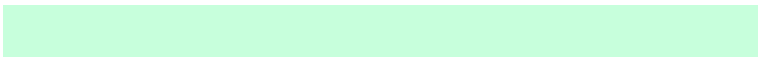
The Inverse Universe completely reimagines the original color for something new.



72.8057, 66.5658, 67.4062



69.4496, 61.5568, 61.0364



72.1716, 88.8057, 80.7263



18.1017, 18.0240, 19.1529



21.7126, 11.1744, 1.8713



2.1418, 1.0991, 0.3281

Previews

White Background



This preview shows how the XYZ color 77.1848, 68.0233, 103.6695 looks on a white background.

Color Contrast Check

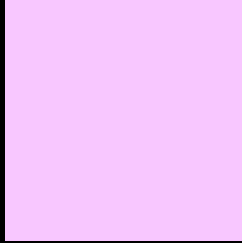
Large Text (above 18pt) WCAG AA × Fail

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 77.1848, 68.0233, 103.6695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

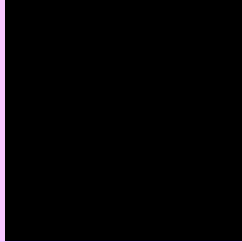
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.1848, 68.0233, 103.6695

Background



This preview shows how black text looks on a background with the XYZ color 77.1848, 68.0233, 103.6695.



This preview shows how white text looks on a background with the XYZ color 77.1848, 68.0233,

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

77.1848, 68.0233, 103.6695

Protanopia

67.5502, 68.4349, 104.2567

Deuteranopia

69.6897, 68.0905, 102.3982



Tritanopia

71.8446, 67.9378, 77.7333

Trichromacy



Original Color

77.1848, 68.0233, 103.6695



Protanomaly

70.6693, 68.1931, 104.0457



Deuteranomaly

72.2738, 67.9564, 103.0736



Tritanomaly

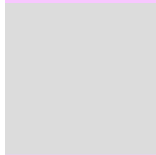
73.7201, 68.0075, 86.3321

Monochromacy



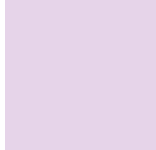
Original Color

77.1848, 68.0233, 103.6695



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

70.8846, 69.7932, 86.8262

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.1848, 68.0233, 103.6695 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(248, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(248, 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(248, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 199, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.1848, 68.0233, 103.6695 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(248, 199, 255) }
```


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

```
.border{ border-color:rgb(248, 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(248, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(248, 199,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.1848, 68.0233, 103.6695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 199, 255) }
```

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

```
.background{ background-color: rgb(248,  
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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