

Converting Colors

XYZ(77.8232, 64.9533,
108.5065)

Have a look what the booklet for
XYZ(77.8232, 64.9533, 108.5065)
contains.

XYZ(76.7556, 64.4978, 103.0116)	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(76.7556, 64.4978,
103.0116)**

Conversions

Conversions Part 1

Format	Color
Hex	FDBDFF
RGB	253, 189, 255
RGB Percent	99%, 74%, 100%
CMY	0.0078, 0.2588, 0.0000
CMYK	0.01, 0.26, 0.00, 0.00
HSL	298°, 100%, 87%
HSV	298°, 26%, 100%
XYZ	76.7556, 64.4978, 103.0116
YIQ	215.6600, 16.9580, 34.0940

Conversions

Conversions Part 2

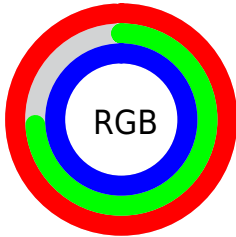
Format	Color
R _Y B	253, 189, 255
Decimal	16629247
CIE Lab	84.22, 33.61, -23.54
CIE LCh	84, 41.036, 324.999
Yxy	64.4978, 0.3142, 0.2640
Android (android.graphics.Color)	4294819327 (0xFFFD B DFF)
YUV	215.6600, 19.3946, 32.7472
Hunter-Lab	80.3105, 30.0553, -19.8319

Details

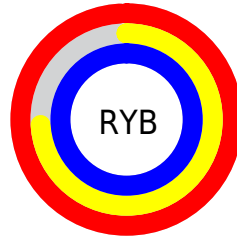
The XYZ color **76.7556, 64.4978, 103.0116** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **66.4327, 86.2712, 61.2979**, and the grayscale version is **64.9049, 68.2850, 74.3623**.

A 20% lighter version of the original color is **92.2458, 94.3915, 107.9653**, and **41.6220, 33.1409, 57.6292** is the 20% darker color. If you saturate the color by 10%, you get **71.4652, 54.3326, 101.3284**, and if you desaturate by 10%, it is **83.0150, 76.5976, 105.0172**.

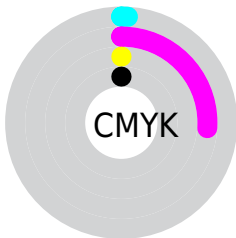
Distribution



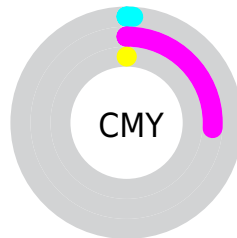
- Red (99%)
- Green (74%)
- Blue (100%)



- Red (99%)
- Yellow (74%)
- Blue (100%)



- Cyan (1%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (1%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.7556, 64.4978, 103.0116 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 76.7556, 64.4978, 103.0116 by changing the saturation by 10% instead.

76.7556, 64.4978,
103.0116

76.7556, 64.4978,
103.0116

472.8351,
440.9851, 591.1345

57.3515, 47.0540,
78.1872

127.7691,
111.3275, 167.3775

41.5288, 33.0783,
57.7104

160.1093,
141.4822, 207.7561

28.9220, 22.1865,
41.1627

197.4921,
176.6427, 254.1565

19.1658, 13.9940,
28.1256

240.2831,
217.1933, 306.9973

11.8949, 8.1165,
18.1805

288.8475,
263.5185, 366.6969

6.7438, 4.1696,
10.9089

343.5508,

3.3473, 1.7689,

316.0025, 433.6740

5.8922

404.7582,
375.0299, 508.3470

■ 1.3400, 0.4677,
2.7119

■ 0.2128, 0.0000,
0.9494

■ 76.7556, 64.4978,
103.0116

■ 76.7556, 64.4978,
103.0116

■ 71.4652, 54.3326,
101.3284

■ 83.0150, 76.5976,
105.0172

■ 67.0880, 45.9928,
99.9493

■ 90.2849, 90.7174,
107.3594

■ 63.5705, 39.3711,
98.8566

95.0500, 100.0000,
108.9000

■ 60.8519, 34.3453,
98.0298

■ 58.8631, 30.7774,
97.4459

■ 57.5234, 28.5061,
97.0781

■ 56.7327, 27.3310,
96.8930

■ 56.5062, 27.0449,
96.8497

Harmonies

Analogous

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



68.9862, 64.4978, 126.0313



76.7556, 64.4978, 103.0116



80.4051, 64.4978, 74.6797

Triad

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



76.7556, 64.4978, 103.0116



62.8388, 64.4978, 31.2472



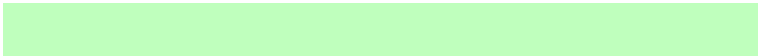
46.7942, 64.4978, 93.5632

Complementary

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



76.7556, 64.4978, 103.0116



66.4327, 86.2712, 61.2979

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.



45.4950, 64.4978, 65.9551



76.7556, 64.4978, 103.0116



54.2130, 64.4978, 33.9418

Square

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



76.7556, 64.4978, 103.0116



71.8796, 64.4978, 36.6996



48.0778, 64.4978, 45.2608



51.8188, 64.4978, 119.6991

Rectangle

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



76.7556, 64.4978, 103.0116



79.7733, 64.4978, 58.0586



48.0778, 64.4978, 45.2608



45.9297, 64.4978, 83.9872

Sweetspot

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



76.7574, 64.5005, 103.0120



88.6570, 87.5509, 106.8340



57.7133, 55.3908, 102.2574



18.7351, 18.2707, 22.7891



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.



76.7574, 64.5005, 103.0120



73.9304, 59.0599, 102.1109



72.9208, 63.0504, 78.9917



18.7351, 18.2707, 22.7891



29.5500, 14.1441, 50.6072



2.8936, 1.3856, 4.9282

Inverse Universe

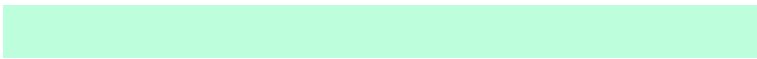
The Inverse Universe completely reimagines the original color for something new.



68.8432, 61.4193, 57.5191



64.8260, 55.5192, 49.6002



69.6398, 87.4964, 80.7915



18.0317, 17.9960, 18.7839



21.5805, 11.1215, 1.1755



2.1087, 1.0859, 0.1539

Previews

White Background



This preview shows how the XYZ color 76.7556, 64.4978, 103.0116 looks on a white background.

Color Contrast Check

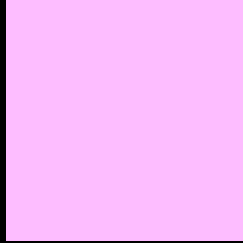
Large Text (above 18pt) WCAG AA × Fail

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 76.7556, 64.4978, 103.0116 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 76.7556, 64.4978, 103.0116

Background



This preview shows how black text looks on a background with the XYZ color 76.7556, 64.4978, 103.0116.



This preview shows how white text looks on a background with the XYZ color 76.7556, 64.4978,

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

76.7556, 64.4978, 103.0116

Protanopia

64.4037, 64.9630, 103.7524

Deuteranopia

66.2203, 64.8725, 101.1269



Tritanopia

70.2077, 64.4601, 71.0291

Trichromacy



Original Color

76.7556, 64.4978, 103.0116



Protanomaly

68.3839, 64.5211, 103.4573



Deuteranomaly

69.7479, 64.5692, 101.7155



Tritanomaly

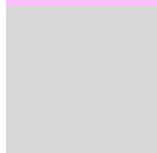
72.3623, 64.3247, 82.0008

Monochromacy



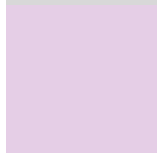
Original Color

76.7556, 64.4978, 103.0116



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

68.6673, 66.5138, 84.0822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.7556, 64.4978, 103.0116 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(253, 189, 255)` looks like.

```
.text, #text, p{  
    color:rgb(253, 189, 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(253, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 189, 255) }
```

Border

The CSS property to change the border of an element to XYZ 76.7556, 64.4978, 103.0116 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(253, 189, 255) }
```


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

```
.border{ border-color:rgb(253, 189, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 189, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 189, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 189, 255);  
box-shadow:4px 4px 4px 4px rgb(253, 189,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 76.7556, 64.4978, 103.0116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 189, 255) }
```

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

```
.background{ background-color: rgb(253,  
189, 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