Converting Colors

XYZ(106.0844, 82.4762, 139.6627)

Have a look what the booklet for XYZ(106.0844, 82.4762, 139.6627) contains.

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Color

XYZ(79.9443, 69.7886, 103.8648)

Conversions

Conversions Part 1

Format	Color
Hex	FFC8FF
RGB	255, 200, 255
RGB Percent	100%, 78%, 100%
CMY	0.0000, 0.2157, 0.0000
CMYK	0.00, 0.22, 0.00, 0.00
HSL	300°, 100%, 89%
HSV	300°, 22%, 100%
XYZ	79.9443, 69.7886, 103.8648
YIQ	222.7150, 15.1250, 28.7650

Conversions

Conversions Part 2

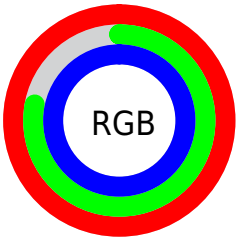
Format	Color
RYB	255, 200, 255
Decimal	16763135
CIELab	86.89, 28.47, -19.48
CIELCh	87, 34.496, 325.624
Yxy	69.7886, 0.3152, 0.2752
Android (android.graphics.Color)	4294953215 (0xFFFFC8FF)
YUV	222.7150, 15.9165, 28.3139
Hunter-Lab	83.5396, 24.6237, -15.2376

Details

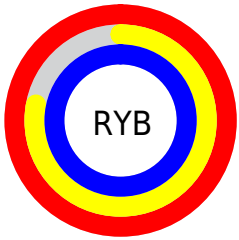
The XYZ color 79.9443, 69.7886, 103.8648 is a light color, and the websafe version is hex FFCCFF. A complement of this color would be 70.0070, 87.9706, 67.9374, and the grayscale version is 69.8217, 73.4578, 79.9956.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 43.7606, 36.6408, 58.1920 is the 20% darker color. If you saturate the color by 10%, you get 74.5240, 58.9479, 102.0580, and if you desaturate by 10%, it is 86.3522, 82.6043, 106.0007.

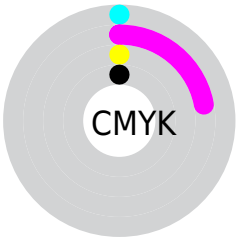
Distribution



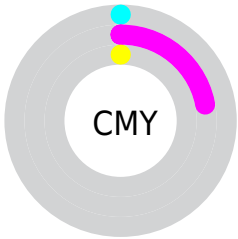
- Red (100%)
- Green (78%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.9443, 69.7886, 103.8648 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 79.9443, 69.7886, 103.8648 by changing the saturation by 10% instead.

79.9443, 69.7886, 103.8648

79.9443, 69.7886, 103.8648

483.4845, 459.8074, 593.8660

59.9808, 51.3542, 78.8973

132.2384, 118.9072, 168.5563

43.6526, 36.4906, 58.2905

165.2996, 150.3603, 209.1173

30.5942, 24.8133, 41.6260

203.4576, 186.9216, 255.7133

20.4404, 15.9380, 28.4852

247.0775, 228.9757, 308.7627

12.8257, 9.4803, 18.4495

296.5248, 276.9070, 368.6842

7.3848, 5.0558, 11.1004

352.1649,

3.7523, 2.2800,

331.0997, 435.8962

414.3630, 391.9384, 510.8173

6.0194

1.5630, 0.7631, 2.7879

0.3681, 0.0000, 0.9874

79.9443, 69.7886, 103.8648

79.9443, 69.7886, 103.8648

74.5240, 58.9479, 102.0580

86.3522, 82.6043, 106.0007

70.0384, 49.9767, 100.5628

93.7890, 97.4780, 108.4797

66.4359, 42.7717, 99.3620

95.0500, 100.0000, 108.9000

63.6582, 37.2165, 98.4361

61.6402, 33.1804, 97.7634

60.3067, 30.5135, 97.3189

59.5676, 29.0351, 97.0725

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.

73.2533, 69.7886, 123.3731

79.9443, 69.7886, 103.8648

82.9926, 69.7886, 79.4207

Triad

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

79.9443, 69.7886, 103.8648

67.5200, 69.7886, 39.8050

53.3321, 69.7886, 96.8152

Complementary

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

79.9443, 69.7886, 103.8648

70.0070, 87.9706, 67.9374

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.

52.0651, 69.7886, 72.6555

79.9443, 69.7886, 103.8648

59.8610, 69.7886, 42.6177

Square

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

79.9443, 69.7886, 103.8648

75.4606, 69.7886, 44.9597

54.3598, 69.7886, 53.6068

57.9709, 69.7886, 118.7594

Rectangle

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

79.9443, 69.7886, 103.8648

82.3824, 69.7886, 64.6638

54.3598, 69.7886, 53.6068

52.5146, 69.7886, 88.5624

Sweetspot

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

79.9456, 69.7912, 103.8652

90.3618, 90.6237, 107.3373

62.5266, 60.8114, 103.0500

19.2369, 19.1886, 22.9398

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.

79.9456, 69.7912, 103.8652

77.4231, 64.7463, 103.0244

75.8303, 68.1451, 82.1941

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.

79.9456, 69.7912, 103.8652

77.4231, 64.7463, 103.0244

73.5156, 89.3740, 86.4137

18.7928, 18.3004, 22.7918

30.9803, 14.8814, 50.6741

3.0164, 1.4490, 4.9340

Previews

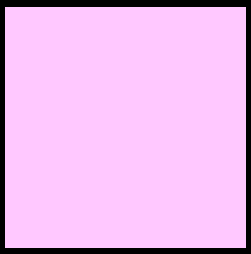
White Background

This preview shows how the XYZ color 79.9443, 69.7886, 103.8648 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



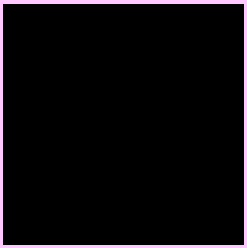
This preview shows how the XYZ color 79.9443, 69.7886, 103.8648 looks on a black background.

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 79.9443, 69.7886, 103.8648 Background



This preview shows how black text looks on a background with the XYZ color 79.9443, 69.7886, 103.8648.

This preview shows how white text looks on a background with the XYZ color 79.9443, 69.7886,

103.8648.

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
79.9443, 69.7886, 103.8648

Protanopia
68.9004, 69.8870, 104.4659

Deuteranopia
71.6481, 70.2099, 102.7041

Tritanopia
74.6805, 69.7405, 78.6324

Trichromacy

Original Color
79.9443, 69.7886, 103.8648

Protanomaly
72.4606, 69.4819, 104.2000

Deuteranomaly
74.3770, 69.7599, 103.3109

Tritanomaly
76.5890, 69.8217, 87.2822

Monochromacy

Original Color
79.9443, 69.7886, 103.8648

Achromatopsia
70.1384, 73.7910, 80.3584

Achromatomaly
73.5568, 72.2612, 88.6682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.9443, 69.7886, 103.8648 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, 200, 255) looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 79.9443, 69.7886, 103.8648 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, 200, 255) }
```

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

```
.border{ border-color:rgb(255, 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(255, 200, 255) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 79.9443, 69.7886, 103.8648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color:rgb(255,
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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