

Converting Colors

XYZ(76.0391, 66.8453,
128.4430)

Have a look what the booklet for
XYZ(76.0391, 66.8453, 128.4430)
contains.

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Color

**XYZ(71.4284, 65.0558,
103.4001)**

Conversions

Conversions Part 1

Format	Color
Hex	E7C7FF
RGB	231, 199, 255
RGB Percent	91%, 78%, 100%
CMY	0.0941, 0.2196, 0.0000
CMYK	0.09, 0.22, 0.00, 0.00
HSL	274°, 100%, 89%
HSV	274°, 22%, 100%
XYZ	71.4284, 65.0558, 103.4001
YIQ	214.9520, 1.0960, 24.2000

Conversions

Conversions Part 2

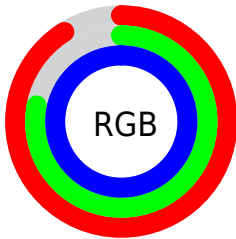
Format	Color
R _Y B	231, 199, 255
Decimal	15190015
CIE Lab	84.51, 21.34, -23.29
CIE LCh	85, 31.587, 312.502
Yxy	65.0558, 0.2978, 0.2712
Android (android.graphics.Color)	4293380095 (0xFFE7C7FF)
YUV	214.9520, 19.7437, 14.0741
Hunter-Lab	80.6572, 16.9260, -19.5480

Details

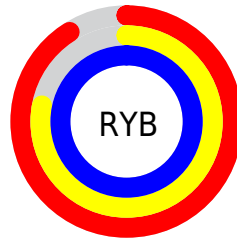
The XYZ color **71.4284, 65.0558, 103.4001** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **76.5018, 91.3322, 67.6328**, and the grayscale version is **64.4306, 67.7860, 73.8190**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.9976, 33.4420, 57.8783** is the 20% darker color. If you saturate the color by 10%, you get **62.6280, 52.5283, 101.4459**, and if you desaturate by 10%, it is **81.4358, 79.6682, 105.6931**.

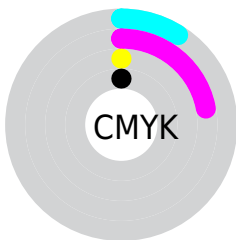
Distribution



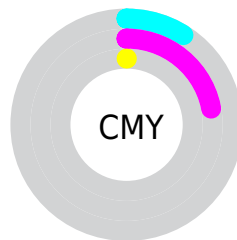
- Red (91%)
- Green (78%)
- Blue (100%)



- Red (91%)
- Yellow (78%)
- Blue (100%)



- Cyan (9%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.4284, 65.0558, 103.4001 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 71.4284, 65.0558, 103.4001 by changing the saturation by 10% instead.

71.4284, 65.0558,
103.4001

71.4284, 65.0558,
103.4001

454.7382,
442.9925, 592.3791

52.9757, 47.5063,
78.5105

120.2587,
112.1301, 167.9144

38.0107, 33.4361,
57.9745

151.3670,
142.4237, 208.3761

26.1683, 22.4607,
41.3736

187.4246,
177.7341, 254.8657

17.0829, 14.1958,
28.2892

228.7967,
218.4457, 307.8015

10.3893, 8.2570,
18.3028

275.8488,
264.9430, 367.6023

5.7221, 4.2598,
10.9959

328.9461,

2.7159, 1.8199,

317.6103, 434.6864

5.9500

388.4541,
376.8320, 509.4725

■ 1.0054, 0.4996,
2.7464

■ 0.0000, 0.0000,
0.9666

■ 71.4284, 65.0558,
103.4001

■ 71.4284, 65.0558,
103.4001

■ 62.6280, 52.5283,
101.4459

■ 81.4358, 79.6682,
105.6931

■ 54.9761, 41.9778,
99.8127

■ 92.6940, 96.4507,
108.3391

■ 48.4174, 33.2986,
98.4831

95.0500, 100.0000,
108.9000

■ 42.8890, 26.3714,
97.4374

■ 38.3212, 21.0630,
96.6535

■ 34.6338, 17.2199,
96.1061

■ 31.7312, 14.6576,
95.7645

■ 29.8531, 13.3047,
95.6024

Harmonies

Analogous

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



64.8077, 65.0558, 115.7776



71.4284, 65.0558, 103.4001



75.6499, 65.0558, 83.1306

Triad

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



71.4284, 65.0558, 103.4001



65.9898, 65.0558, 39.9434



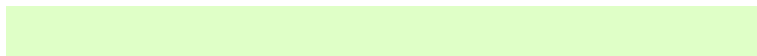
49.5473, 65.0558, 79.5545

Complementary

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



71.4284, 65.0558, 103.4001



76.5018, 91.3322, 67.6328

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.



49.8110, 65.0558, 59.8153



71.4284, 65.0558, 103.4001



58.9519, 65.0558, 39.3499

Square

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



71.4284, 65.0558, 103.4001



72.3501, 65.0558, 47.7563



53.1389, 65.0558, 45.9440



52.3890, 65.0558, 100.3582

Rectangle

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



71.4284, 65.0558, 103.4001



76.3532, 65.0558, 69.1573



53.1389, 65.0558, 45.9440



49.2823, 65.0558, 72.5390

Sweetspot

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



71.4302, 65.0585, 103.4005



86.8589, 87.7131, 106.9601



68.0643, 72.2823, 104.9723



18.4465, 18.5584, 22.8598



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.



71.4302, 65.0585, 103.4005



67.7311, 59.7498, 102.5708



79.1193, 69.0911, 100.6535



17.9968, 17.8901, 22.7545



15.7733, 7.0419, 49.9625



1.6609, 0.7501, 4.8705

Inverse Universe

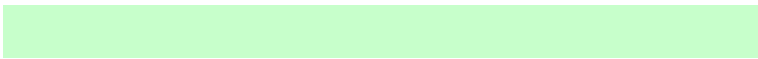
The Inverse Universe completely reimagines the original color for something new.



74.9843, 67.4371, 78.8789



71.9124, 62.5420, 74.0054



70.0629, 87.9621, 69.6221



18.3325, 18.1163, 20.3681



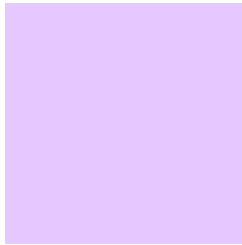
23.0705, 11.7175, 9.0214



2.2997, 1.1623, 1.1597

Previews

White Background



This preview shows how the XYZ color 71.4284, 65.0558, 103.4001 looks on a white background.

Color Contrast Check

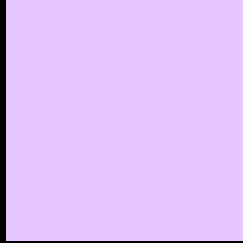
Large Text (above 18pt) WCAG AA × Fail

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 71.4284, 65.0558, 103.4001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

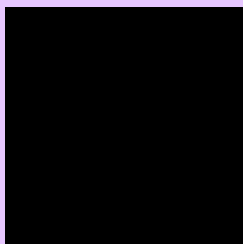
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.4284, 65.0558, 103.4001

Background



This preview shows how black text looks on a background with the XYZ color 71.4284, 65.0558, 103.4001.

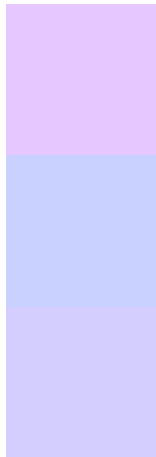


This preview shows how white text looks on a background with the XYZ color 71.4284, 65.0558,

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

71.4284, 65.0558, 103.4001

Protanopia

64.6699, 65.1003, 103.7649

Deuteranopia

66.8247, 65.1473, 102.8186



Tritanopia

66.2465, 65.0519, 77.4713

Trichromacy



Original Color

71.4284, 65.0558, 103.4001

Protanomaly

66.7453, 64.7315, 103.5843

Deuteranomaly

68.1588, 64.7731, 102.6760

Tritanomaly

68.0588, 65.0890, 86.0671

Monochromacy



Original Color

71.4284, 65.0558, 103.4001

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

66.9022, 66.6863, 84.2085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.4284, 65.0558, 103.4001 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(231, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 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(231, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 199, 255) }
```

Border

The CSS property to change the border of an element to XYZ 71.4284, 65.0558, 103.4001 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(231, 199, 255) }
```


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

```
.border{ border-color:rgb(231, 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(231, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 199,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 71.4284, 65.0558, 103.4001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 199, 255) }
```

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

```
.background{ background-color: rgb(231,  
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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