

Converting Colors

XYZ(69.8848, 64.8338,
103.4386)

Have a look what the booklet for
XYZ(69.8848, 64.8338, 103.4386)
contains.

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Color

**XYZ(69.9880, 65.0008,
103.4654)**

Conversions

Conversions Part 1

Format	Color
Hex	E1C9FF
RGB	225, 201, 255
RGB Percent	88%, 79%, 100%
CMY	0.1176, 0.2117, 0.0000
CMYK	0.12, 0.21, 0.00, 0.00
HSL	267°, 100%, 89%
HSV	267°, 21%, 100%
XYZ	69.9880, 65.0008, 103.4654
YIQ	214.3320, -3.0300, 21.8820

Conversions

Conversions Part 2

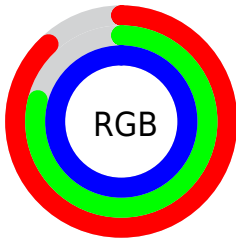
Format	Color
R _Y B	225, 201, 255
Decimal	14797311
CIE Lab	84.48, 18.39, -23.38
CIE LCh	84, 29.742, 308.184
Yxy	65.0008, 0.2935, 0.2726
Android (android.graphics.Color)	4292987391 (0xFFE1C9FF)
YUV	214.3320, 20.0493, 9.3558
Hunter-Lab	80.6231, 13.8635, -19.6520

Details

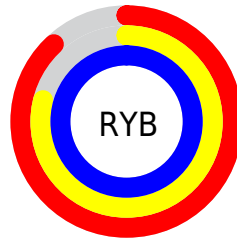
The XYZ color **69.9880, 65.0008, 103.4654** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **79.2589, 92.7266, 68.9819**, and the grayscale version is **64.0123, 67.3459, 73.3397**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.9889, 33.3797, 57.9195** is the 20% darker color. If you saturate the color by 10%, you get **60.2953, 51.9014, 101.4478**, and if you desaturate by 10%, it is **81.0376, 80.2678, 105.8298**.

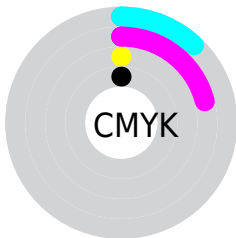
Distribution



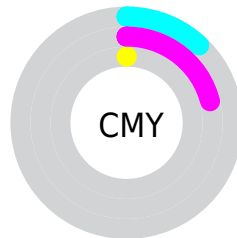
- Red (88%)
- Green (79%)
- Blue (100%)



- Red (88%)
- Yellow (79%)
- Blue (100%)



- Cyan (12%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9880, 65.0008, 103.4654 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 69.9880, 65.0008, 103.4654 by changing the saturation by 10% instead.

69.9880, 65.0008,
103.4654

69.9880, 65.0008,
103.4654

449.7749,
442.7948, 592.5881

51.7963, 47.4617,
78.5648

118.2180,
112.0510, 168.0046

37.0664, 33.4008,
58.0189

148.9870,
142.3309, 208.4803

25.4328, 22.4337,
41.4090

184.6792,
177.6266, 254.9848

16.5302, 14.1759,
28.3167

225.6599,
218.3224, 307.9367

9.9934, 8.2431,
18.3234

272.2945,
264.8027, 367.7544

5.4568, 4.2509,
11.0106

324.9483,

2.5552, 1.8149,

317.4520, 434.8565

5.9597

383.9866,
376.6546, 509.6616

■ 0.9232, 0.4964,
2.7522

■ 0.0000, 0.0000,
0.9695

■ 69.9880, 65.0008,
103.4654

■ 69.9880, 65.0008,
103.4654

■ 60.2953, 51.9014,
101.4478

■ 81.0376, 80.2678,
105.8298

■ 51.8964, 40.8599,
99.7592

■ 93.4923, 97.7896,
108.5554

■ 44.7313, 31.7685,
98.3821

95.0500, 100.0000,
108.9000

■ 38.7322, 24.5063,
97.2965

■ 33.8244, 18.9383,
96.4804

■ 29.9227, 14.9099,
95.9085

■ 26.9265, 12.2364,
95.5504

■ 24.9029, 10.7528,
95.3707

Harmonies

Analogous

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



63.6110, 65.0008, 113.3315



69.9880, 65.0008, 103.4654



74.3664, 65.0008, 85.2029

Triad

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



69.9880, 65.0008, 103.4654



66.6327, 65.0008, 42.0419



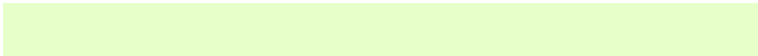
50.0205, 65.0008, 76.0917

Complementary

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



69.9880, 65.0008, 103.4654



79.2589, 92.7266, 68.9819

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.



50.7027, 65.0008, 58.0751



69.9880, 65.0008, 103.4654



59.9871, 65.0008, 40.4794

Square

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



69.9880, 65.0008, 103.4654



72.3350, 65.0008, 50.5483



54.2426, 65.0008, 45.8164



52.3076, 65.0008, 95.7841

Rectangle

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



69.9880, 65.0008, 103.4654



75.3953, 65.0008, 71.9359



54.2426, 65.0008, 45.8164



49.9135, 65.0008, 69.6263

Sweetspot

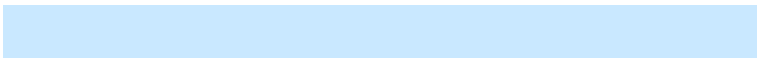
The Sweet Spot groups the original color and five complimentary colors.



69.9898, 65.0034, 103.4658



87.3035, 89.0470, 107.1942



70.8834, 77.1276, 105.7589



18.5128, 18.8153, 22.9059



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.



69.9898, 65.0034, 103.4658



66.1245, 59.7414, 102.6538



78.8658, 69.5792, 103.8812



17.7693, 17.7728, 22.7439



13.1777, 5.7039, 49.8410



1.4064, 0.6189, 4.8586

Inverse Universe

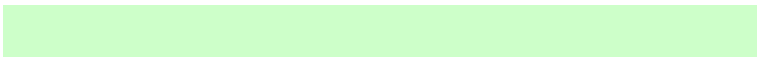
The Inverse Universe completely reimagines the original color for something new.



76.5519, 68.8052, 84.8491



73.7446, 64.1584, 80.9293



71.3710, 88.6602, 68.6128



18.4319, 18.1561, 20.8913



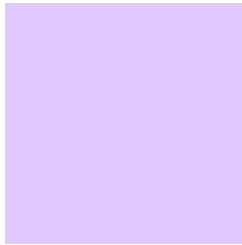
24.1634, 12.1546, 14.7767



2.4077, 1.2055, 1.7285

Previews

White Background



This preview shows how the XYZ color 69.9880, 65.0008, 103.4654 looks on a white background.

Color Contrast Check

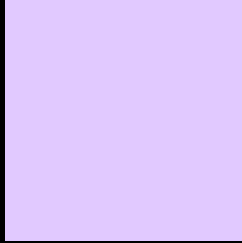
Large Text (above 18pt) WCAG AA × Fail

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 69.9880, 65.0008, 103.4654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

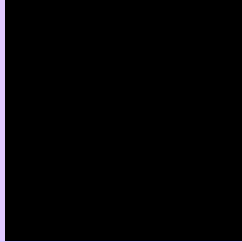
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.9880, 65.0008, 103.4654

Background



This preview shows how black text looks on a background with the XYZ color 69.9880, 65.0008, 103.4654.

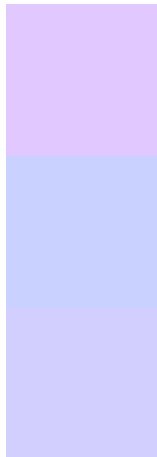


This preview shows how white text looks on a background with the XYZ color 69.9880, 65.0008,

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

69.9880, 65.0008, 103.4654

Protanopia

64.6699, 65.1003, 103.7649

Deuteranopia

66.5390, 65.0000, 102.8052



Tritanopia

65.1473, 65.1690, 78.9573

Trichromacy



Original Color

69.9880, 65.0008, 103.4654

Protanomaly

66.4158, 64.9179, 103.6377

Deuteranomaly

67.5066, 64.7886, 102.7134

Tritanomaly

66.9509, 65.1904, 87.6516

Monochromacy



Original Color

69.9880, 65.0008, 103.4654

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

65.8568, 66.1635, 83.4285

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9880, 65.0008, 103.4654 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(225, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(225, 201, 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(225, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 201, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.9880, 65.0008, 103.4654 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(225, 201, 255) }
```


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

```
.border{ border-color:rgb(225, 201, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 201, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 201, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 201, 255); box-shadow:4px 4px 4px 4px rgb(225, 201, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9880, 65.0008, 103.4654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 201, 255) }
```

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

```
.background{ background-color: rgb(225,  
201, 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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