

Converting Colors

XYZ(82.6097, 76.5619,
163.1143)

Have a look what the booklet for
XYZ(82.6097, 76.5619, 163.1143)
contains.

XYZ(71.4403, 71.9617, 104.7324)	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(71.4403, 71.9617,
104.7324)**

Conversions

Conversions Part 1

Format	Color
Hex	D8DAFF
RGB	216, 218, 255
RGB Percent	85%, 85%, 100%
CMY	0.1529, 0.1451, 0.0000
CMYK	0.15, 0.15, 0.00, 0.00
HSL	237°, 100%, 92%
HSV	237°, 15%, 100%
XYZ	71.4403, 71.9617, 104.7324
YIQ	221.6200, -13.0690, 11.0830

Conversions

Conversions Part 2

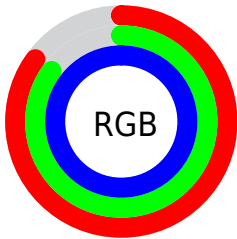
Format	Color
R _Y B	216, 218, 255
Decimal	14211839
CIE Lab	87.95, 6.55, -18.20
CIE LCh	88, 19.343, 289.787
Yxy	71.9617, 0.2879, 0.2900
Android (android.graphics.Color)	4292401919 (0xFFD8DAFF)
YUV	221.6200, 16.4563, -4.9287
Hunter-Lab	84.8302, 1.8719, -13.8190

Details

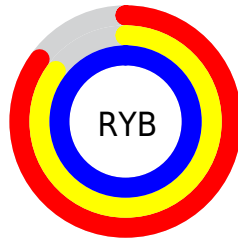
The XYZ color **71.4403, 71.9617, 104.7324** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **88.7596, 96.4671, 78.9093**, and the grayscale version is **69.0592, 72.6557, 79.1220**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.9882, 37.8487, 58.7294** is the 20% darker color. If you saturate the color by 10%, you get **58.6614, 56.7328, 102.4665**, and if you desaturate by 10%, it is **86.3078, 89.6300, 107.3592**.

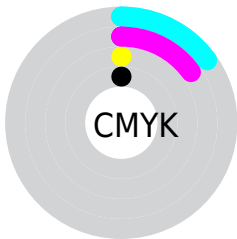
Distribution



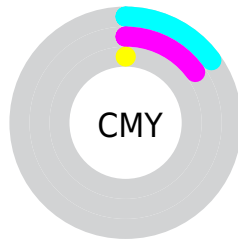
- Red (85%)
- Green (85%)
- Blue (100%)



- Red (85%)
- Yellow (85%)
- Blue (100%)



- Cyan (15%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.4403, 71.9617, 104.7324 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 71.4403, 71.9617, 104.7324 by changing the saturation by 10% instead.

■ 71.4403, 71.9617,
104.7324

■ 71.4403, 71.9617,
104.7324

454.7791,
467.4083, 596.6367

■ 52.9854, 53.1274,
79.6198

120.2756,
122.0021, 169.7539

■ 38.0186, 37.9045,
58.8812

151.3867,
153.9769, 210.4999

■ 26.1744, 25.9086,
42.0981

187.4472,
191.1008, 257.2940

■ 17.0875, 16.7552,
28.8520

228.8225,
233.7580, 310.5549

■ 10.3926, 10.0601,
18.7243

275.8780,
282.3329, 370.7011

■ 5.7243, 5.4389,
11.2964

328.9791,

■ 2.7172, 2.5070,

337.2100, 438.1511

6.1499

388.4909,
398.7737, 513.3235

■ 1.0060, 0.8801,
2.8662

■ 0.0000, 0.0000,
1.0267

■ 71.4403, 71.9617,
104.7324

■ 71.4403, 71.9617,
104.7324

■ 58.6614, 56.7328,
102.4665

■ 86.3078, 89.6300,
107.3592

■ 47.8718, 43.8280,
100.5443

95.0500, 100.0000,
108.9000

■ 38.9732, 33.1356,
98.9494

■ 31.8565, 24.5312,
97.6637

■ 26.4016, 17.8781,
96.6670

■ 22.4734, 13.0236,
95.9371

■ 19.9156, 9.7918,
95.4481

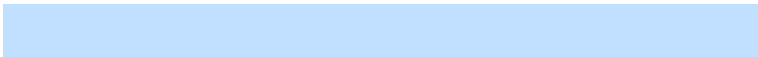
■ 18.5382, 7.9714,
95.1693

■ 18.1951, 7.5102,
95.0984

Harmonies

Analogous

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



66.8388, 71.9617, 106.0679



71.4403, 71.9617, 104.7324



75.3877, 71.9617, 95.9014

Triad

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



71.4403, 71.9617, 104.7324



74.2776, 71.9617, 60.5332



60.0445, 71.9617, 73.9414

Complementary

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



71.4403, 71.9617, 104.7324



88.7596, 96.4671, 78.9093

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.



61.8533, 71.9617, 63.0894



71.4403, 71.9617, 104.7324



69.9801, 71.9617, 55.9443

Square

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



71.4403, 71.9617, 104.7324



77.0760, 71.9617, 70.0756



65.4422, 71.9617, 56.8244



60.3961, 71.9617, 87.2601

Rectangle

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



71.4403, 71.9617, 104.7324



77.0516, 71.9617, 87.4505



65.4422, 71.9617, 56.8244



60.4168, 71.9617, 69.9114

Sweetspot

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



71.4423, 71.9646, 104.7329



86.7759, 90.1856, 107.4417



81.7138, 93.1730, 106.1057



18.3341, 19.0191, 22.9547



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.



71.4423, 71.9646, 104.7329



67.7807, 67.6057, 104.0845



76.1786, 73.6401, 104.8067



17.0778, 17.5272, 22.7329



9.5381, 3.9858, 49.7012



0.9538, 0.4384, 4.8476

Inverse Universe

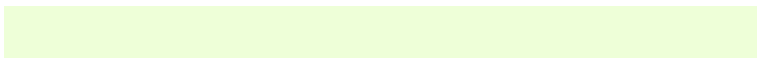
The Inverse Universe completely reimagines the original color for something new.



78.4520, 75.4352, 76.7585



75.8802, 71.6361, 71.7564



83.4488, 94.6726, 78.8429



18.0472, 18.0022, 18.8656



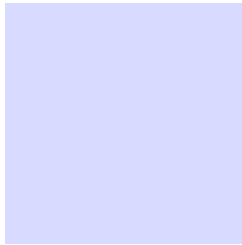
21.6026, 11.1303, 1.2918



2.1161, 1.0888, 0.1926

Previews

White Background



This preview shows how the XYZ color 71.4403, 71.9617, 104.7324 looks on a white background.

Color Contrast Check

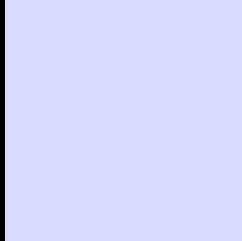
Large Text (above 18pt) WCAG AA × Fail

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 71.4403, 71.9617, 104.7324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

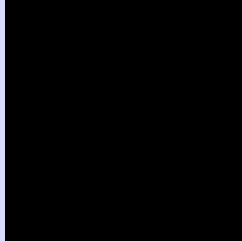
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.4403, 71.9617, 104.7324

Background



This preview shows how black text looks on a background with the XYZ color 71.4403, 71.9617, 104.7324.

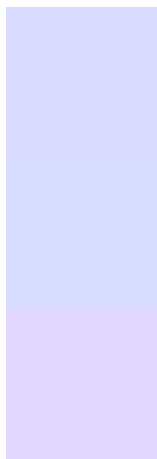


This preview shows how white text looks on a background with the XYZ color 71.4403, 71.9617,

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

71.4403, 71.9617, 104.7324

Protanopia

71.1131, 72.1792, 104.7917

Deuteranopia

73.4018, 71.8284, 104.6033



Tritanopia

68.7296, 72.0321, 91.1701

Trichromacy



Original Color

71.4403, 71.9617, 104.7324

Protanomaly

71.4058, 72.3301, 104.8054

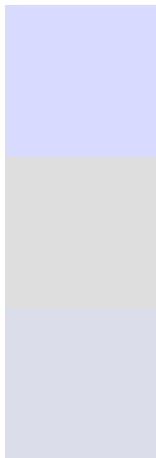
Deuteranomaly

72.7301, 71.8613, 104.6451

Tritanomaly

69.6539, 72.0142, 95.8169

Monochromacy



Original Color

71.4403, 71.9617, 104.7324

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

70.2229, 72.8691, 88.2059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.4403, 71.9617, 104.7324 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(216, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 218, 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(216, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 218, 255) }
```

Border

The CSS property to change the border of an element to XYZ 71.4403, 71.9617, 104.7324 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(216, 218, 255) }
```


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

```
.border{ border-color:rgb(216, 218, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(216, 218,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 71.4403, 71.9617, 104.7324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 218, 255) }
```

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

```
.background{ background-color: rgb(216,  
218, 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