

Converting Colors

XYZ(71.7866, 70.2456,
104.3829)

Have a look what the booklet for
XYZ(71.7866, 70.2456, 104.3829)
contains.

XYZ(71.6630, 70.1807, 104.3769)	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(71.6630, 70.1807,
104.3769)**

Conversions

Conversions Part 1

Format	Color
Hex	DDD5FF
RGB	221, 213, 255
RGB Percent	87%, 84%, 100%
CMY	0.1333, 0.1647, 0.0000
CMYK	0.13, 0.16, 0.00, 0.00
HSL	251°, 100%, 92%
HSV	251°, 16%, 100%
XYZ	71.6630, 70.1807, 104.3769
YIQ	220.1800, -8.7140, 14.7580

Conversions

Conversions Part 2

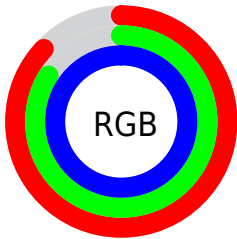
Format	Color
R _Y B	221, 213, 255
Decimal	14538239
CIE Lab	87.09, 10.75, -19.47
CIE LCh	87, 22.238, 298.901
Yxy	70.1807, 0.2911, 0.2850
Android (android.graphics.Color)	4292728319 (0xFFDDD5FF)
YUV	220.1800, 17.1663, 0.7191
Hunter-Lab	83.7739, 6.0905, -15.2298

Details

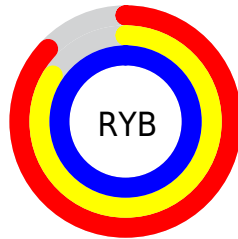
The XYZ color **71.6630, 70.1807, 104.3769** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.1297, 96.0991, 76.9636**, and the grayscale version is **68.0431, 71.5867, 77.9579**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.1458, 36.6379, 58.4874** is the 20% darker color. If you saturate the color by 10%, you get **59.8428, 55.3040, 102.1284**, and if you desaturate by 10%, it is **85.2684, 87.4783, 106.9986**.

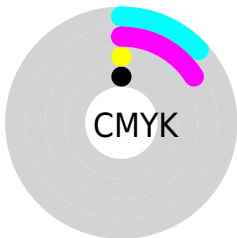
Distribution



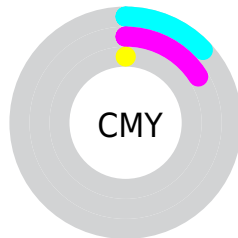
- Red (87%)
- Green (84%)
- Blue (100%)



- Red (87%)
- Yellow (84%)
- Blue (100%)



- Cyan (13%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.6630, 70.1807, 104.3769 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 71.6630, 70.1807, 104.3769 by changing the saturation by 10% instead.

71.6630, 70.1807,
104.3769

71.6630, 70.1807,
104.3769

455.5436,
461.1842, 595.5022

53.1679, 51.6739,
79.3237

120.5907,
119.4664, 169.2633

38.1648, 36.7452,
58.6391

151.7540,
151.0141, 209.9336

26.2884, 25.0103,
41.9046

187.8707,
187.6775, 256.6466

17.1734, 16.0847,
28.7016

229.3063,
229.8410, 309.8209

10.4542, 9.5841,
18.6115

276.4260,
277.8890, 369.8751

5.7657, 5.1241,
11.2160

329.5952,

2.7425, 2.3203,

332.2060, 437.2277

6.0963

389.1793,
393.1762, 512.2972

■ 1.0191, 0.7844,
2.8340

■ 0.0000, 0.0000,
1.0105

■ 71.6630, 70.1807,
104.3769

■ 71.6630, 70.1807,
104.3769

■ 59.8428, 55.3040,
102.1284

■ 85.2684, 87.4783,
106.9986

■ 49.7271, 42.7314,
100.2348

95.0500, 100.0000,
108.9000

■ 41.2374, 32.3490,
98.6783

■ 34.2868, 24.0296,
97.4388

■ 28.7800, 17.6331,
96.4944

■ 24.6105, 13.0012,
95.8201

■ 21.6564, 9.9499,
95.3868

■ 19.7702, 8.2519,
95.1585

■ 19.2954, 7.8621,
95.1083

Harmonies

Analogous

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



66.5127, 70.1807, 108.8299



71.6630, 70.1807, 104.3769



75.6533, 70.1807, 92.2086

Triad

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



71.6630, 70.1807, 104.3769



72.0127, 70.1807, 54.3916



57.1839, 70.1807, 75.8658

Complementary

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



71.6630, 70.1807, 104.3769



86.1297, 96.0991, 76.9636

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.



58.4911, 70.1807, 62.5361



71.6630, 70.1807, 104.3769



66.8970, 70.1807, 51.1749

Square

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



71.6630, 70.1807, 104.3769



75.8625, 70.1807, 63.3739



61.9805, 70.1807, 53.9540



58.3152, 70.1807, 91.1323

Rectangle

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



71.6630, 70.1807, 104.3769



77.0232, 70.1807, 82.0708



61.9805, 70.1807, 53.9540



57.3514, 70.1807, 71.0249

Sweetspot

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



71.6649, 70.1835, 104.3774



87.4205, 90.2278, 107.4159



78.8449, 88.0726, 107.4519



18.4901, 19.0294, 22.9485



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.



71.6649, 70.1835, 104.3774



67.2904, 64.6585, 103.5415



78.3611, 73.6356, 104.6907



17.3258, 17.5441, 22.7231



10.1738, 4.1553, 49.7004



1.0719, 0.4465, 4.8430

Inverse Universe

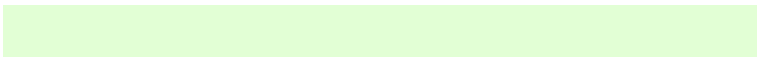
The Inverse Universe completely reimagines the original color for something new.



81.8245, 75.5667, 98.2714



79.3583, 71.0559, 96.1496



79.2302, 92.5422, 76.6407



18.6356, 18.2376, 21.9642



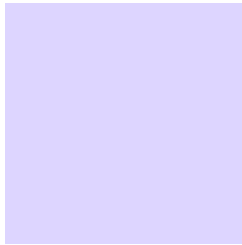
27.4510, 13.4697, 32.0890



2.7092, 1.3261, 3.3161

Previews

White Background



This preview shows how the XYZ color 71.6630, 70.1807, 104.3769 looks on a white background.

Color Contrast Check

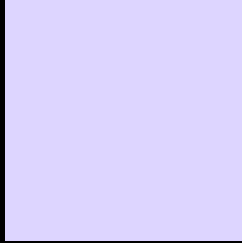
Large Text (above 18pt) WCAG AA × Fail

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 71.6630, 70.1807, 104.3769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

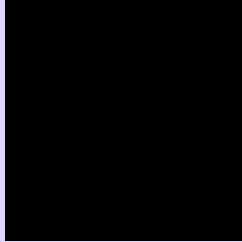
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.6630, 70.1807, 104.3769

Background



This preview shows how black text looks on a background with the XYZ color 71.6630, 70.1807, 104.3769.

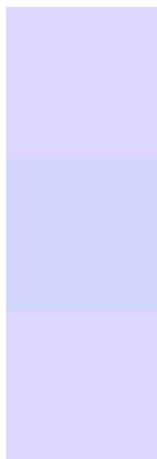


This preview shows how white text looks on a background with the XYZ color 71.6630, 70.1807,

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

71.6630, 70.1807, 104.3769

Protanopia

69.1842, 70.0334, 104.4791

Deuteranopia

71.6630, 70.1807, 104.3769



Tritanopia

68.2794, 70.3179, 87.8159

Trichromacy



Original Color

71.6630, 70.1807, 104.3769

Protanomaly

70.0820, 70.1170, 104.4480

Deuteranomaly

71.6630, 70.1807, 104.3769

Tritanomaly

69.4963, 70.4280, 93.9355

Monochromacy



Original Color

71.6630, 70.1807, 104.3769

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

69.0360, 70.7245, 87.1034

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.6630, 70.1807, 104.3769 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(221, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(221, 213, 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(221, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 213, 255) }
```

Border

The CSS property to change the border of an element to XYZ 71.6630, 70.1807, 104.3769 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(221, 213, 255) }
```


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

```
.border{ border-color:rgb(221, 213, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 213, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(221, 213,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 71.6630, 70.1807, 104.3769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 213, 255) }
```

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

```
.background{ background-color: rgb(221,  
213, 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