

Converting Colors

XYZ(88.1909, 79.0769,
199.1834)

Have a look what the booklet for
XYZ(88.1909, 79.0769, 199.1834)
contains.

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Color

**XYZ(70.2455, 71.7319,
104.7511)**

Conversions

Conversions Part 1

Format	Color
Hex	D3DBFF
RGB	211, 219, 255
RGB Percent	83%, 86%, 100%
CMY	0.1725, 0.1412, 0.0000
CMYK	0.17, 0.14, 0.00, 0.00
HSL	229°, 100%, 91%
HSV	229°, 17%, 100%
XYZ	70.2455, 71.7319, 104.7511
YIQ	220.7120, -16.3240, 9.5000

Conversions

Conversions Part 2

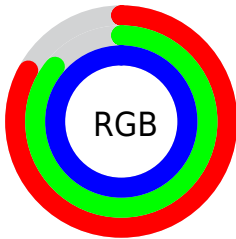
Format	Color
R _{YB}	211, 218, 255
Decimal	13884415
CIE Lab	87.84, 4.48, -18.40
CIE LCh	88, 18.941, 283.673
Yxy	71.7319, 0.2847, 0.2907
Android (android.graphics.Color)	4292074495 (0xFFD3DBFF)
YUV	220.7120, 16.9040, -8.5174
Hunter-Lab	84.6947, -0.1684, -14.0441

Details

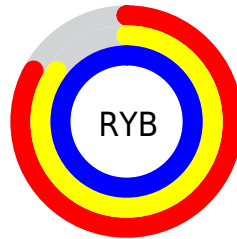
The XYZ color **70.2455, 71.7319, 104.7511** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.2583, 92.4835, 74.9346**, and the grayscale version is **68.4205, 71.9837, 78.3902**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.1788, 37.6961, 58.7426** is the 20% darker color. If you saturate the color by 10%, you get **58.4057, 58.0503, 102.7343**, and if you desaturate by 10%, it is **83.9301, 87.3808, 107.0503**.

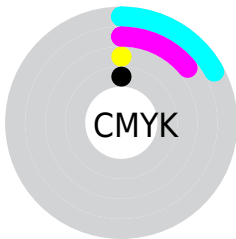
Distribution



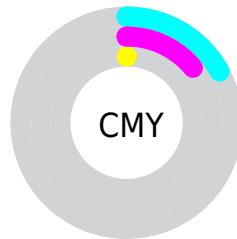
- Red (83%)
- Green (86%)
- Blue (100%)



- Red (83%)
- Yellow (85%)
- Blue (100%)



- Cyan (17%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.2455, 71.7319, 104.7511 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 70.2455, 71.7319, 104.7511 by changing the saturation by 10% instead.

■ 70.2455, 71.7319,
104.7511

■ 70.2455, 71.7319,
104.7511

450.6645,
466.6079, 596.6964

■ 52.0070, 52.9397,
79.6354

118.5831,
121.6753, 169.7797

■ 37.2350, 37.7546,
58.8939

149.4130,
153.5953, 210.5297

■ 25.5640, 25.7923,
42.1083

185.1708,
190.6599, 257.3281

■ 16.6287, 16.6683,
28.8599

226.2217,
233.2537, 310.5935

■ 10.0638, 9.9983,
18.7302

272.9312,
281.7610, 370.7446

■ 5.5039, 5.3978,
11.3006

325.6646,

■ 2.5836, 2.4825,

336.5662, 438.1997

6.1527

384.7872,
398.0537, 513.3774

■ 0.9376, 0.8679,
2.8679

■ 0.0000, 0.0000,
1.0276

■ 70.2455, 71.7319,
104.7511

■ 70.2455, 71.7319,
104.7511

■ 58.4057, 58.0503,
102.7343

■ 83.9301, 87.3808,
107.0503

■ 48.3253, 46.2490,
100.9877

95.0500, 100.0000,
108.9000

■ 39.9206, 36.2473,
99.5001

■ 33.0988, 27.9549,
98.2591

■ 27.7577, 21.2737,
97.2510

■ 23.7828, 16.0951,
96.4609

■ 21.0419, 12.2963,
95.8721

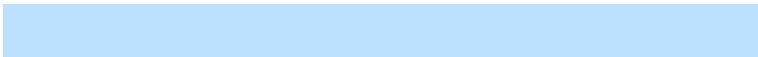
■ 19.3704, 9.7308,
95.4650

■ 19.0418, 9.2037,
95.3806

Harmonies

Analogous

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



65.7746, 71.7319, 104.3900



70.2455, 71.7319, 104.7511



74.3324, 71.7319, 97.4406

Triad

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



70.2455, 71.7319, 104.7511



74.6331, 71.7319, 62.2063



60.2053, 71.7319, 71.3403

Complementary

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



70.2455, 71.7319, 104.7511



86.2583, 92.4835, 74.9346

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.



62.3750, 71.7319, 61.5111



70.2455, 71.7319, 104.7511



70.6414, 71.7319, 56.6482

Square

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



70.2455, 71.7319, 104.7511



76.9399, 71.7319, 72.3897



66.1535, 71.7319, 56.4086



60.1098, 71.7319, 84.1110

Rectangle

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



70.2455, 71.7319, 104.7511



76.2347, 71.7319, 89.6216



66.1535, 71.7319, 56.4086



60.7118, 71.7319, 67.6178

Sweetspot

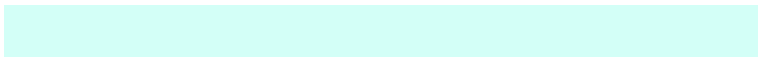
The Sweet Spot groups the original color and five complimentary colors.



70.2475, 71.7348, 104.7515



87.2760, 91.1858, 107.6084



79.4030, 92.0806, 101.5305



18.4551, 19.2612, 22.9950



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.



70.2475, 71.7348, 104.7515



65.5999, 66.3827, 103.9634



72.3760, 69.8070, 104.2672



17.2702, 17.9119, 22.7971



10.0262, 4.9620, 49.8639



1.0449, 0.6205, 4.8780

Inverse Universe

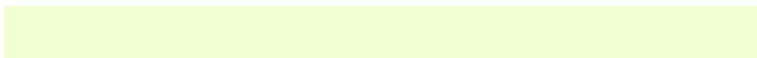
The Inverse Universe completely reimagines the original color for something new.



77.3217, 72.9646, 77.0293



74.0133, 67.9561, 70.9685



83.8169, 94.9359, 75.5366



18.1443, 18.0410, 19.3768



21.8490, 11.2289, 2.5891



2.1620, 1.1072, 0.4347

Previews

White Background



This preview shows how the XYZ color 70.2455, 71.7319, 104.7511 looks on a white background.

Color Contrast Check

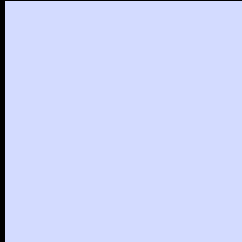
Large Text (above 18pt) WCAG AA × Fail

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 70.2455, 71.7319, 104.7511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

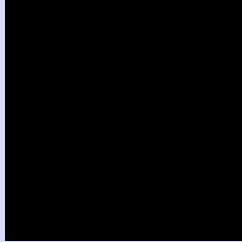
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.2455, 71.7319, 104.7511

Background



This preview shows how black text looks on a background with the XYZ color 70.2455, 71.7319, 104.7511.

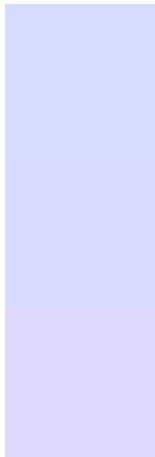


This preview shows how white text looks on a background with the XYZ color 70.2455, 71.7319,

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

70.2455, 71.7319, 104.7511

Protanopia

70.8530, 71.6589, 104.7049

Deuteranopia

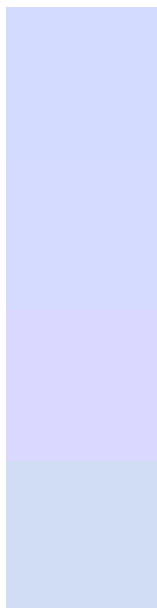
73.0909, 71.6682, 104.5888



Tritanopia

67.7137, 71.8844, 91.9675

Trichromacy



Original Color

70.2455, 71.7319, 104.7511

Protanomaly

70.5620, 71.5089, 104.6913

Deuteranomaly

71.8193, 71.3918, 104.6025

Tritanomaly

68.6324, 71.8608, 96.6394

Monochromacy



Original Color

70.2455, 71.7319, 104.7511

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.9165, 71.8213, 87.3214

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2455, 71.7319, 104.7511 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(211, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(211, 219, 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(211, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 219, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.2455, 71.7319, 104.7511 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(211, 219, 255) }
```


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

```
.border{ border-color:rgb(211, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(211, 219,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2455, 71.7319, 104.7511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 219, 255) }
```

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

```
.background{ background-color: rgb(211,  
219, 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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