

Converting Colors

XYZ(70.1368, 72.7785,
104.9588)

Have a look what the booklet for
XYZ(70.1368, 72.7785, 104.9588)
contains.

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Color

**XYZ(70.1837, 72.8724,
104.9745)**

Conversions

Conversions Part 1

Format	Color
Hex	D0DEFF
RGB	208, 222, 255
RGB Percent	82%, 87%, 100%
CMY	0.1843, 0.1294, 0.0000
CMYK	0.18, 0.13, 0.00, 0.00
HSL	222°, 100%, 91%
HSV	222°, 18%, 100%
XYZ	70.1837, 72.8724, 104.9745
YIQ	221.5760, -18.9370, 7.2950

Conversions

Conversions Part 2

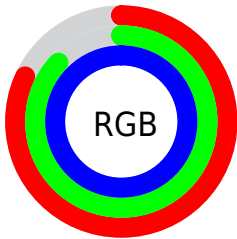
Format	Color
R _Y B	208, 219, 255
Decimal	13688575
CIE Lab	88.39, 1.98, -17.60
CIE LCh	88, 17.712, 276.434
Yxy	72.8724, 0.2830, 0.2938
Android (android.graphics.Color)	4291878655 (0xFFD0DEFF)
YUV	221.5760, 16.4780, -11.9062
Hunter-Lab	85.3653, -2.6343, -13.1537

Details

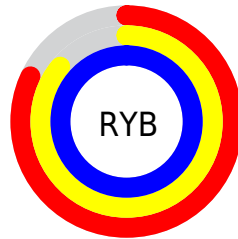
The XYZ color **70.1837, 72.8724, 104.9745** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.0802, 88.7237, 72.3701**, and the grayscale version is **69.0310, 72.6260, 79.0897**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.1486, 38.4870, 58.8969** is the 20% darker color. If you saturate the color by 10%, you get **59.0774, 60.4606, 103.1641**, and if you desaturate by 10%, it is **82.9515, 86.8940, 107.0080**.

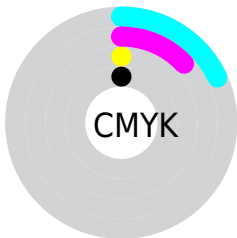
Distribution



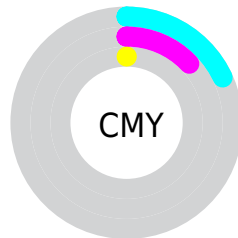
- Red (82%)
- Green (87%)
- Blue (100%)



- Red (82%)
- Yellow (86%)
- Blue (100%)



- Cyan (18%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.1837, 72.8724, 104.9745 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 70.1837, 72.8724, 104.9745 by changing the saturation by 10% instead.

■ 70.1837, 72.8724,
104.9745

■ 70.1837, 72.8724,
104.9745

450.4511,
470.5725, 597.4087

■ 51.9564, 53.8716,
79.8215

118.4955,
123.2960, 170.0879

■ 37.1945, 38.4990,
59.0461

149.3108,
155.4877, 210.8854

■ 25.5325, 26.3702,
42.2300

185.0528,
192.8451, 257.7347

■ 16.6051, 17.1008,
28.9545

226.0869,
235.7527, 311.0545

■ 10.0469, 10.3064,
18.8011

272.7784,
284.5949, 371.2633

■ 5.4925, 5.6026,
11.3513

325.4927,

■ 2.5767, 2.6050,

339.7559, 438.7795

6.1865

384.5952,
401.6203, 514.0218

■ 0.9341, 0.9292,
2.8882

■ 0.0000, 0.0000,
1.0378

■ 70.1837, 72.8724,
104.9745

■ 70.1837, 72.8724,
104.9745

■ 59.0774, 60.4606,
103.1641

■ 82.9515, 86.8940,
107.0080

■ 49.5560, 49.5901,
101.5677

95.0500, 100.0000,
108.9000

■ 41.5455, 40.2003,
100.1775

■ 34.9634, 32.2228,
98.9846

■ 29.7188, 25.5834,
97.9795

■ 25.7095, 20.2000,
97.1517

■ 22.8167, 15.9799,
96.4896

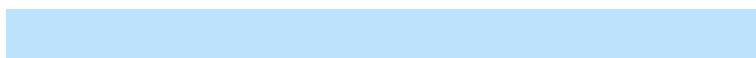
■ 20.8804, 12.8064,
95.9791

■ 20.6325, 12.3851,
95.9108

Harmonies

Analogous

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



66.0440, 72.8724, 102.8129



70.1837, 72.8724, 104.9745



74.2353, 72.8724, 99.7242

Triad

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



70.1837, 72.8724, 104.9745



76.0545, 72.8724, 66.2304



62.0329, 72.8724, 70.3436

Complementary

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



70.1837, 72.8724, 104.9745



84.0802, 88.7237, 72.3701

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.



64.5179, 72.8724, 61.9516



70.1837, 72.8724, 104.9745



72.5850, 72.8724, 59.7522

Square

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



70.1837, 72.8724, 104.9745



77.7132, 72.8724, 76.7494



68.3504, 72.8724, 58.2697



61.4488, 72.8724, 81.9998

Rectangle

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



70.1837, 72.8724, 104.9745



76.3047, 72.8724, 93.0151



68.3504, 72.8724, 58.2697



62.6685, 72.8724, 67.0856

Sweetspot

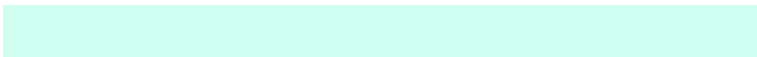
The Sweet Spot groups the original color and five complimentary colors.



70.1857, 72.8753, 104.9749



86.3119, 90.5497, 107.5365



77.6356, 91.2752, 96.6675



18.2788, 19.1690, 22.9865



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.



70.1857, 72.8753, 104.9749



66.0337, 68.2626, 104.3034



69.3415, 67.1465, 103.9136



17.4441, 18.2597, 22.8550



10.8936, 6.6968, 50.1530



1.1511, 0.8328, 4.9134

Inverse Universe

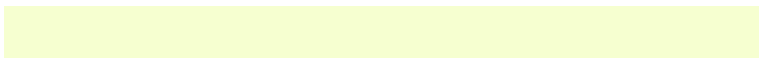
The Inverse Universe completely reimagines the original color for something new.



76.9820, 71.6472, 78.8824



73.9852, 66.9988, 73.7369



85.0116, 95.5949, 73.6473



18.2320, 18.0761, 19.8391



22.2868, 11.4040, 4.8947



2.2156, 1.1286, 0.7169

Previews

White Background



This preview shows how the XYZ color 70.1837, 72.8724, 104.9745 looks on a white background.

Color Contrast Check

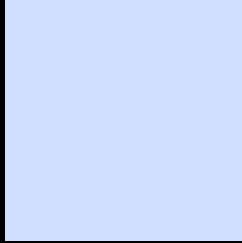
Large Text (above 18pt) WCAG AA × Fail

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 70.1837, 72.8724, 104.9745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

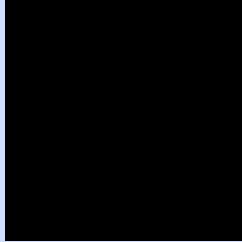
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

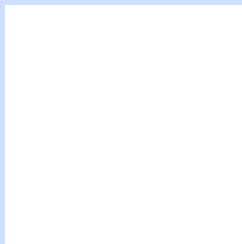
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.1837, 72.8724, 104.9745

Background



This preview shows how black text looks on a background with the XYZ color 70.1837, 72.8724, 104.9745.



This preview shows how white text looks on a background with the XYZ color 70.1837, 72.8724,

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

70.1837, 72.8724, 104.9745

Protanopia

71.8015, 72.9411, 104.0606

Deuteranopia

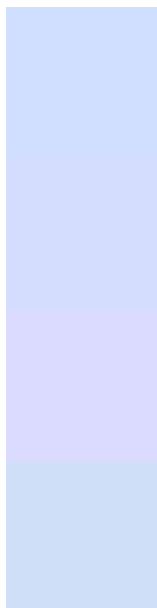
73.9699, 72.5005, 104.7031



Tritanopia

68.1363, 72.8439, 94.4735

Trichromacy



Original Color

70.1837, 72.8724, 104.9745

Protanomaly

71.1864, 73.0148, 104.1073

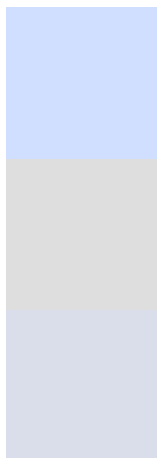
Deuteranomaly

72.3348, 72.4229, 104.7743

Tritanomaly

68.9083, 72.7562, 98.4072

Monochromacy



Original Color

70.1837, 72.8724, 104.9745

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

69.5878, 72.9348, 88.2521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.1837, 72.8724, 104.9745 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(208, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(208, 222, 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(208, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 222, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.1837, 72.8724, 104.9745 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(208, 222, 255) }
```


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

```
.border{ border-color:rgb(208, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(208, 222,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.1837, 72.8724, 104.9745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 222, 255) }
```

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

```
.background{ background-color: rgb(208,  
222, 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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