

Converting Colors

XYZ(70.8638, 72.9063,
100.4301)

Have a look what the booklet for
XYZ(70.8638, 72.9063, 100.4301)
contains.

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Color

**XYZ(70.8433, 72.9112,
100.7819)**

Conversions

Conversions Part 1

Format	Color
Hex	D6DDFA
RGB	214, 221, 250
RGB Percent	84%, 87%, 98%
CMY	0.1608, 0.1333, 0.0196
CMYK	0.14, 0.12, 0.00, 0.02
HSL	228°, 78%, 91%
HSV	228°, 14%, 98%
XYZ	70.8433, 72.9112, 100.7819
YIQ	222.2130, -13.4810, 7.5350

Conversions

Conversions Part 2

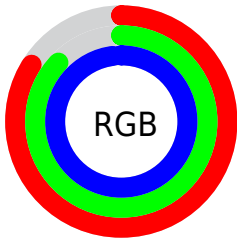
Format	Color
R_{YB}	214, 220, 250
Decimal	14081530
CIE _{Lab}	88.41, 3.32, -14.90
CIE _{LCh}	88, 15.267, 282.546
Yxy	72.9112, 0.2897, 0.2982
Android (android.graphics.Color)	4292271610 (0xFFD6DDFA)
YUV	222.2130, 13.6990, -7.2028
Hunter-Lab	85.3881, -1.3343, -10.2072

Details

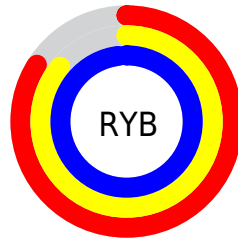
The XYZ color **70.8433, 72.9112, 100.7819** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.6129, 89.2797, 76.4456**, and the grayscale version is **69.4965, 73.1157, 79.6230**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.6719, 38.5384, 56.4921** is the 20% darker color. If you saturate the color by 10%, you get **59.0982, 59.4331, 98.8006**, and if you desaturate by 10%, it is **84.3502, 88.2480, 103.0315**.

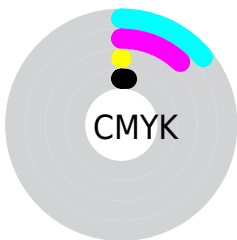
Distribution



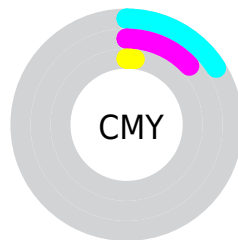
- Red (84%)
- Green (87%)
- Blue (98%)



- Red (84%)
- Yellow (86%)
- Blue (98%)



- Cyan (14%)
- Magenta (12%)
- Yellow (0%)
- Black (2%)



- Cyan (16%)
- Magenta (13%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.8433, 72.9112, 100.7819 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 70.8433, 72.9112, 100.7819 by changing the saturation by 10% instead.

■ 70.8433, 72.9112,
100.7819

■ 70.8433, 72.9112,
100.7819

452.7258,
470.7070, 583.9647

■ 52.4964, 53.9034,
76.3332

119.4303,
123.3511, 164.2925

■ 37.6268, 38.5244,
56.1975

150.4011,
155.5520, 204.1915

■ 25.8690, 26.3899,
39.9562

186.3106,
192.9194, 250.0776

■ 16.8579, 17.1156,
27.1909

227.5242,
235.8376, 302.3695

■ 10.2279, 10.3169,
17.4829

274.4071,
284.6911, 361.4856

■ 5.6137, 5.6096,
10.4138

327.3248,

■ 2.6501, 2.6092,

339.8642, 427.8444

5.5650

386.6426,
401.7414, 501.8646

■ 0.9715, 0.9313,
2.5180

■ 0.0000, 0.0000,
0.8496

■ 70.8433, 72.9112,
100.7819

■ 70.8433, 72.9112,
100.7819

■ 59.0982, 59.4331,
98.8006

■ 84.3502, 88.2480,
103.0315

■ 49.0350, 47.7334,
97.0727

■ 94.2555, 99.6822,
104.7164

■ 40.5774, 37.7395,
95.5894

■ 33.6402, 29.3698,
94.3395

■ 28.1306, 22.5363,
93.3109

■ 23.9448, 17.1418,
92.4903

■ 20.9644, 13.0777,
91.8629

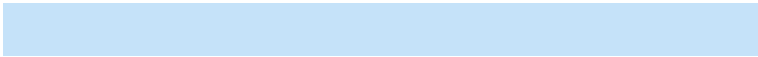
■ 19.0478, 10.2178,
91.4119

■ 18.3385, 9.0682,
91.2274

Harmonies

Analogous

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



67.2059, 72.9112, 100.2580



70.8433, 72.9112, 100.7819



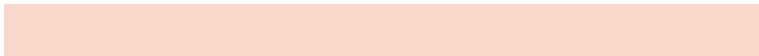
74.1792, 72.9112, 95.2184

Triad

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



70.8433, 72.9112, 100.7819



74.6270, 72.9112, 66.4980



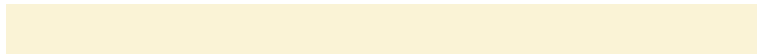
62.7871, 72.9112, 73.4823

Complementary

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



70.8433, 72.9112, 100.7819



83.6129, 89.2797, 76.4456

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.



64.6394, 72.9112, 65.4171



70.8433, 72.9112, 100.7819



71.4369, 72.9112, 61.6358

Square

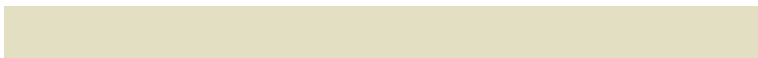
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.8433, 72.9112, 100.7819



76.4149, 72.9112, 75.0805



67.7791, 72.9112, 61.2584



62.6409, 72.9112, 83.8570

Rectangle

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



70.8433, 72.9112, 100.7819



75.7488, 72.9112, 89.0692



67.7791, 72.9112, 61.2584



63.2278, 72.9112, 70.4348

Sweetspot

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



70.8455, 72.9142, 100.7835



88.8312, 92.9861, 107.8740



78.0659, 89.1276, 97.7258



18.7706, 19.6283, 23.0493



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.



70.8455, 72.9142, 100.7835



70.7155, 72.3949, 104.8543



72.2923, 70.9722, 100.3324



16.5563, 17.1895, 21.8306



9.8053, 4.9661, 48.4153



0.9780, 0.5997, 4.5074

Inverse Universe

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



76.5238, 73.6392, 78.5907



77.6253, 73.3439, 77.8331



81.9886, 91.6131, 76.9816



17.3826, 17.2804, 18.6045



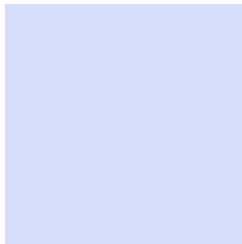
21.2413, 10.9122, 2.7130



2.0026, 1.0248, 0.4370

Previews

White Background



This preview shows how the XYZ color 70.8433, 72.9112, 100.7819 looks on a white background.

Color Contrast Check

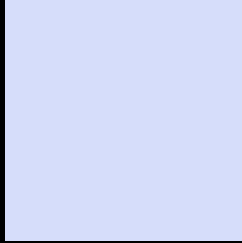
Large Text (above 18pt) WCAG AA × Fail

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 70.8433, 72.9112, 100.7819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

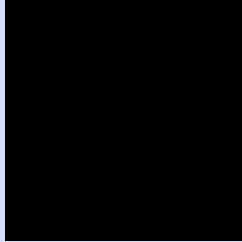
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.8433, 72.9112, 100.7819

Background



This preview shows how black text looks on a background with the XYZ color 70.8433, 72.9112, 100.7819.

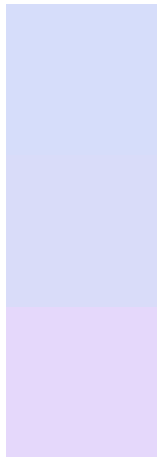


This preview shows how white text looks on a background with the XYZ color 70.8433, 72.9112,

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

70.8433, 72.9112, 100.7819

Protanopia

71.3074, 72.7777, 99.9117

Deuteranopia

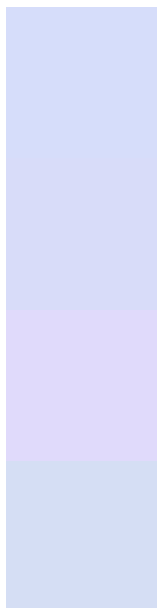
74.2816, 72.7348, 101.3909



Tritanopia

69.2672, 73.0637, 92.8900

Trichromacy



Original Color

70.8433, 72.9112, 100.7819

Protanomaly

71.0110, 72.6249, 99.8979

Deuteranomaly

73.2245, 72.9551, 101.4892

Tritanomaly

69.8910, 72.9203, 95.9793

Monochromacy



Original Color

70.8433, 72.9112, 100.7819

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

69.9002, 73.1288, 86.7751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.8433, 72.9112, 100.7819 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(214, 221, 250)` looks like.

```
.text, #text, p{  
    color:rgb(214, 221, 250)  
}
```

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(214, 221, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 221, 250) }
```

Border

The CSS property to change the border of an element to XYZ 70.8433, 72.9112, 100.7819 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(214, 221, 250) }
```


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

```
.border{ border-color:rgb(214, 221, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 221, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 221, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 221, 250);  
box-shadow:4px 4px 4px 4px rgb(214, 221,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 70.8433, 72.9112, 100.7819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 221, 250) }
```

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

```
.background{ background-color: rgb(214,  
221, 250) }
```

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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