

Converting Colors

XYZ(70.7445, 72.8064,
102.6070)

Have a look what the booklet for
XYZ(70.7445, 72.8064, 102.6070)
contains.

XYZ(70.5785, 72.7382, 102.4155)	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(70.5785, 72.7382,
102.4155)**

Conversions

Conversions Part 1

Format	Color
Hex	D4DDFC
RGB	212, 221, 252
RGB Percent	83%, 87%, 99%
CMY	0.1686, 0.1333, 0.0118
CMYK	0.16, 0.12, 0.00, 0.01
HSL	226°, 87%, 91%
HSV	226°, 16%, 99%
XYZ	70.5785, 72.7382, 102.4155
YIQ	221.8430, -15.3150, 7.7330

Conversions

Conversions Part 2

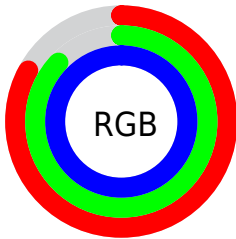
Format	Color
R _Y B	212, 219, 252
Decimal	13950460
CIE Lab	88.32, 3.11, -16.09
CIE LCh	88, 16.389, 280.928
Yxy	72.7382, 0.2872, 0.2960
Android (android.graphics.Color)	4292140540 (0xFFD4DDFC)
YUV	221.8430, 14.8674, -8.6323
Hunter-Lab	85.2867, -1.5351, -11.4970

Details

The XYZ color **70.5785, 72.7382, 102.4155** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.0797, 89.5499, 75.1423**, and the grayscale version is **69.2283, 72.8336, 79.3158**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.3912, 38.3807, 57.0672** is the 20% darker color. If you saturate the color by 10%, you get **59.0139, 59.5640, 100.4833**, and if you desaturate by 10%, it is **83.8810, 87.7024, 104.6039**.

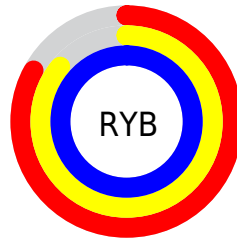
Distribution



Red (83%)

Green (87%)

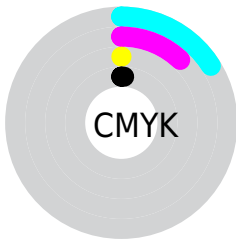
Blue (99%)



Red (83%)

Yellow (86%)

Blue (99%)

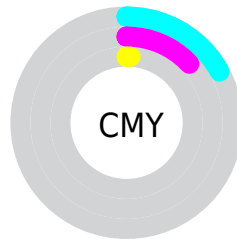


Cyan (16%)

Magenta (12%)

Yellow (0%)

Black (1%)



Cyan (17%)

Magenta (13%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.5785, 72.7382, 102.4155 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 70.5785, 72.7382, 102.4155 by changing the saturation by 10% instead.

■ 70.5785, 72.7382,
102.4155

■ 70.5785, 72.7382,
102.4155

451.8134,
470.1070, 589.2222

■ 52.2796, 53.7619,
77.6913

119.0551,
123.1055, 166.5534

■ 37.4531, 38.4114,
57.3055

149.9636,
155.2653, 206.8042

■ 25.7338, 26.3021,
40.8395

185.8059,
192.5883, 253.0676

■ 16.7563, 17.0498,
27.8750

226.9475,
235.4591, 305.7621

■ 10.1551, 10.2700,
17.9932

273.7537,
284.2620, 365.3063

■ 5.5650, 5.5783,
10.7757

326.5898,

■ 2.6205, 2.5904,

339.3813, 432.1186

5.8040

385.8213,
401.2015, 506.6178

■ 0.9564, 0.9219,
2.6594

■ 0.0000, 0.0000,
0.9229

■ 70.5785, 72.7382,
102.4155

■ 70.5785, 72.7382,
102.4155

■ 59.0139, 59.5640,
100.4833

■ 83.8810, 87.7024,
104.6039

■ 49.1078, 48.1027,
98.7932

94.5709, 99.8084,
106.3772

■ 40.7840, 38.2850,
97.3369

■ 33.9580, 30.0332,
96.1039

■ 28.5368, 23.2629,
95.0828

■ 24.4168, 17.8814,
94.2612

■ 21.4787, 13.7845,
93.6253

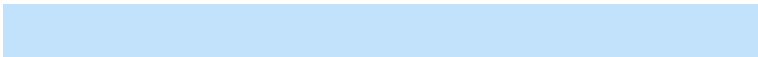
■ 19.5787, 10.8505,
93.1591

■ 19.0201, 9.9267,
93.0102

Harmonies

Analogous

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



66.6946, 72.7382, 101.4738



70.5785, 72.7382, 102.4155



74.2070, 72.7382, 96.7088

Triad

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



70.5785, 72.7382, 102.4155



75.0057, 72.7382, 65.8462



62.2342, 72.7382, 72.3338

Complementary

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



70.5785, 72.7382, 102.4155



84.0797, 89.5499, 75.1423

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.



64.3005, 72.7382, 63.9425



70.5785, 72.7382, 102.4155



71.6351, 72.7382, 60.4495

Square

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



70.5785, 72.7382, 102.4155



76.8267, 72.7382, 75.1657



67.7123, 72.7382, 59.7873



61.9755, 72.7382, 83.3751

Rectangle

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



70.5785, 72.7382, 102.4155



75.9553, 72.7382, 90.1921



67.7123, 72.7382, 59.7873



62.7366, 72.7382, 69.1385

Sweetspot

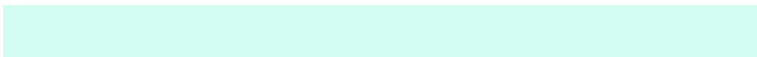
The Sweet Spot groups the original color and five complimentary colors.



70.5807, 72.7412, 102.4171



87.4424, 91.5187, 107.6639



78.0905, 90.0702, 97.8011



18.4954, 19.3419, 23.0085



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.



70.5807, 72.7412, 102.4171



68.5867, 70.2810, 104.5584



71.4445, 69.7520, 101.7946



16.5999, 17.2766, 21.8451



9.9975, 5.3506, 48.4794



1.0017, 0.6471, 4.5153

Inverse Universe

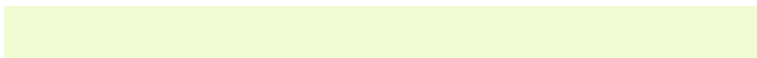
The Inverse Universe completely reimagines the original color for something new.



76.7413, 73.0046, 78.4566



76.0275, 70.7013, 75.5956



83.0849, 93.1351, 75.8868



17.4046, 17.2892, 18.7202



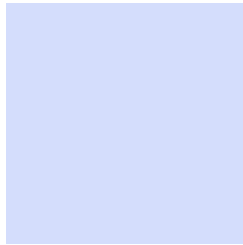
21.3383, 10.9510, 3.2239



2.0145, 1.0296, 0.5000

Previews

White Background



This preview shows how the XYZ color 70.5785, 72.7382, 102.4155 looks on a white background.

Color Contrast Check

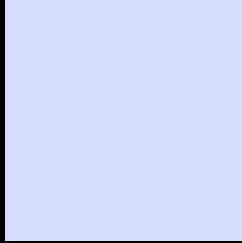
Large Text (above 18pt) WCAG AA × Fail

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 70.5785, 72.7382, 102.4155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

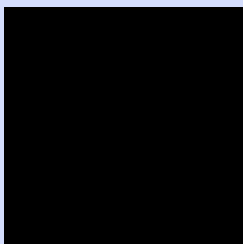
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.5785, 72.7382, 102.4155

Background



This preview shows how black text looks on a background with the XYZ color 70.5785, 72.7382, 102.4155.

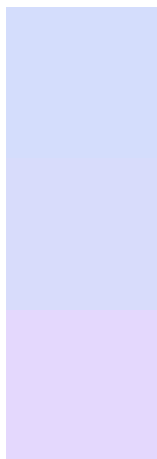


This preview shows how white text looks on a background with the XYZ color 70.5785, 72.7382,

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

70.5785, 72.7382, 102.4155

Protanopia

71.3247, 72.7504, 101.5498

Deuteranopia

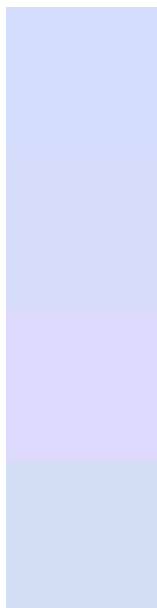
74.2804, 72.6976, 103.0455



Tritanopia

68.8432, 72.8279, 93.6478

Trichromacy



Original Color

70.5785, 72.7382, 102.4155

Protanomaly

71.0301, 72.5985, 101.5360

Deuteranomaly

72.9252, 72.7643, 103.1298

Tritanomaly

69.4667, 72.6840, 96.7543

Monochromacy



Original Color

70.5785, 72.7382, 102.4155

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

69.7427, 73.0312, 87.5114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.5785, 72.7382, 102.4155 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(212, 221, 252)` looks like.

```
.text, #text, p{  
    color:rgb(212, 221, 252)  
}
```

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(212, 221, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 221, 252) }
```

Border

The CSS property to change the border of an element to XYZ 70.5785, 72.7382, 102.4155 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(212, 221, 252) }
```


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

```
.border{ border-color:rgb(212, 221, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 221, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 221, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 221, 252);  
box-shadow:4px 4px 4px 4px rgb(212, 221,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 70.5785, 72.7382, 102.4155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 221, 252) }
```

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

```
.background{ background-color: rgb(212,  
221, 252) }
```

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