

Converting Colors

XYZ(70.5951, 77.3802,
105.8229)

Have a look what the booklet for
XYZ(70.5951, 77.3802, 105.8229)
contains.

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Color

**XYZ(70.7421, 77.6399,
105.8652)**

Conversions

Conversions Part 1

Format	Color
Hex	C7E9FF
RGB	199, 233, 255
RGB Percent	78%, 91%, 100%
CMY	0.2196, 0.0863, 0.0000
CMYK	0.22, 0.09, 0.00, 0.00
HSL	204°, 100%, 89%
HSV	204°, 22%, 100%
XYZ	70.7421, 77.6399, 105.8652
YIQ	225.3420, -27.3260, -0.3660

Conversions

Conversions Part 2

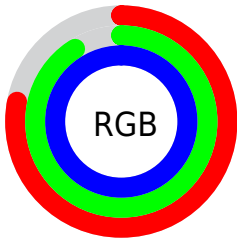
Format	Color
R_{YB}	199, 220, 255
Decimal	13101567
CIE Lab	90.62, -6.43, -14.32
CIE LCh	91, 15.691, 245.827
Yxy	77.6399, 0.2782, 0.3054
Android (android.graphics.Color)	4291291647 (0xFFC7E9FF)
YUV	225.3420, 14.6214, -23.1019
Hunter-Lab	88.1135, -10.8896, -9.5553

Details

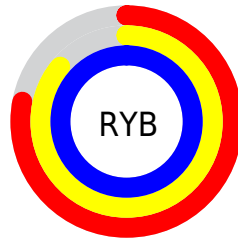
The XYZ color **70.7421, 77.6399, 105.8652** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.4052, 77.0957, 64.8359**, and the grayscale version is **71.7280, 75.4634, 82.1796**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.4168, 41.4508, 59.4548** is the 20% darker color. If you saturate the color by 10%, you get **61.7796, 68.9308, 104.6566**, and if you desaturate by 10%, it is **81.0035, 87.2615, 107.1816**.

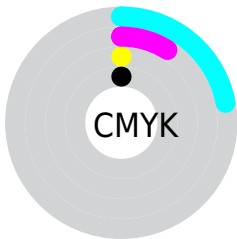
Distribution



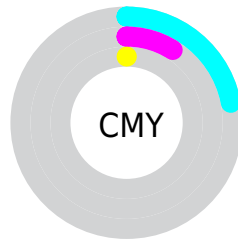
- Red (78%)
- Green (91%)
- Blue (100%)



- Red (78%)
- Yellow (86%)
- Blue (100%)



- Cyan (22%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7421, 77.6399, 105.8652 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 70.7421, 77.6399, 105.8652 by changing the saturation by 10% instead.

70.7421, 77.6399,
105.8652

70.7421, 77.6399,
105.8652

452.3773,
486.9430, 600.2444

52.4135, 57.7782,
80.5637

119.2869,
130.0424, 171.3161

37.5604, 41.6304,
59.6534

150.2339,
163.3519, 212.3027

25.8173, 28.8120,
42.7159

186.1178,
201.9129, 259.3546

16.8190, 18.9386,
29.3325

227.3038,
246.1098, 312.8905

10.2000, 11.6259,
19.0848

274.1575,
296.3268, 373.3288

5.5951, 6.4895,
11.5541

327.0440,

2.6388, 3.1450,

352.9484, 441.0883

6.3220

386.3288,
416.3590, 516.5872

■ 0.9657, 1.2079,
2.9699

■ 0.0000, 0.0681,
1.0793

■ 70.7421, 77.6399,
105.8652

■ 70.7421, 77.6399,
105.8652

■ 61.7796, 68.9308,
104.6566

■ 81.0035, 87.2615,
107.1816

■ 54.0505, 61.0906,
103.5506

■ 92.6124, 97.8186,
108.6074

■ 47.4929, 54.0854,
102.5441

■ 95.0500, 100.0000,
108.9000

■ 42.0367, 47.8747,
101.6329

■ 37.6032, 42.4140,
100.8126

■ 34.1026, 37.6523,
100.0780

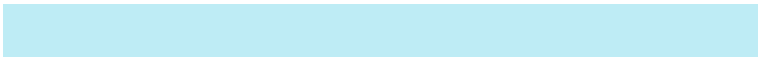
■ 31.4266, 33.5296,
99.4232

■ 29.7442, 30.6085,
98.9481

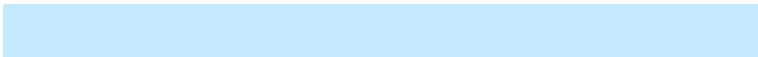
Harmonies

Analogous

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



67.8337, 77.6399, 97.8523



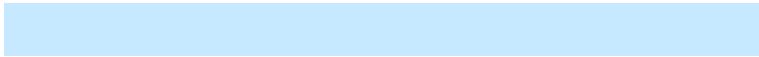
70.7421, 77.6399, 105.8652



74.5645, 77.6399, 107.9543

Triad

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



70.7421, 77.6399, 105.8652



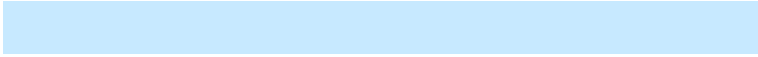
81.5728, 77.6399, 82.3576



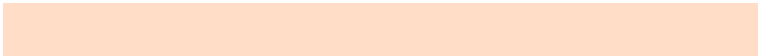
69.4576, 77.6399, 68.1710

Complementary

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



70.7421, 77.6399, 105.8652



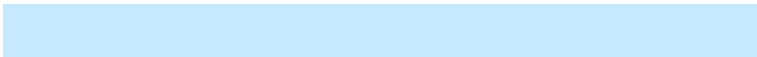
77.4052, 77.0957, 64.8359

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.



73.0296, 77.6399, 64.7769



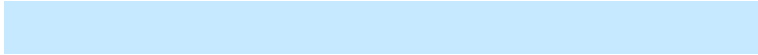
70.7421, 77.6399, 105.8652



80.0945, 77.6399, 72.4873

Square

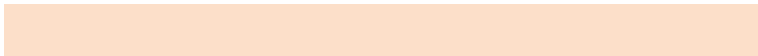
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.7421, 77.6399, 105.8652



80.9078, 77.6399, 93.7151



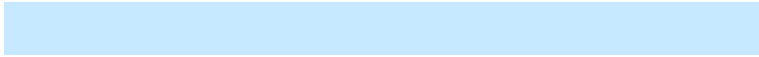
76.9333, 77.6399, 66.2843



67.1107, 77.6399, 75.9780

Rectangle

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



70.7421, 77.6399, 105.8652



77.1368, 77.6399, 105.5585



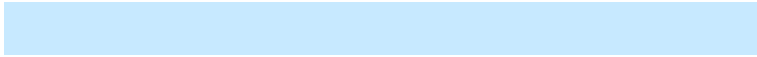
76.9333, 77.6399, 66.2843



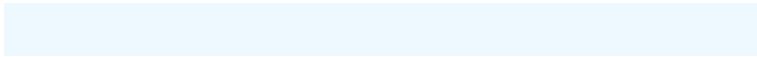
70.5499, 77.6399, 66.5093

Sweetspot

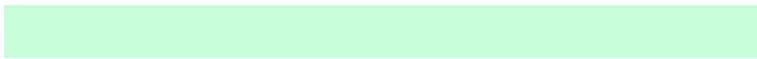
The Sweet Spot groups the original color and five complimentary colors.



70.7442, 77.6430, 105.8657



86.5891, 92.3781, 107.8748



72.2944, 88.8547, 81.3763



18.3843, 19.6368, 23.0713



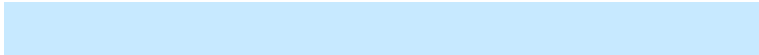
0.0000, 0.0000, 0.0000



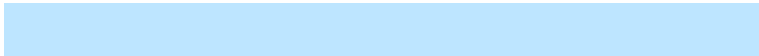
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.7442, 77.6430, 105.8657



66.9695, 74.0157, 105.3645



63.5637, 63.2820, 103.4722



17.9209, 19.2135, 23.0140



15.6916, 16.2929, 51.7524



1.6343, 1.7993, 5.0744

Inverse Universe

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



76.3728, 67.9917, 86.1927



73.5101, 63.1810, 82.4185



85.2603, 92.8060, 67.4543



18.4727, 18.1724, 21.1066



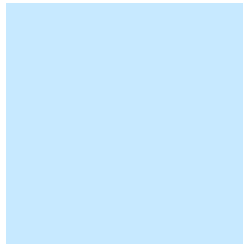
24.7086, 12.3727, 17.6479



2.4595, 1.2262, 2.0013

Previews

White Background



This preview shows how the XYZ color 70.7421, 77.6399, 105.8652 looks on a white background.

Color Contrast Check

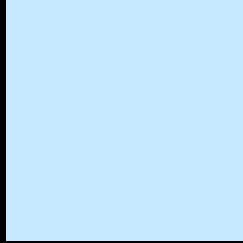
Large Text (above 18pt) WCAG AA × Fail

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 70.7421, 77.6399, 105.8652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

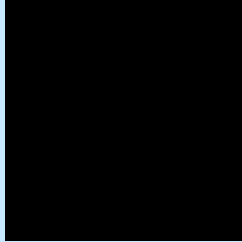
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

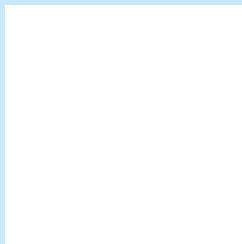
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.7421, 77.6399, 105.8652

Background



This preview shows how black text looks on a background with the XYZ color 70.7421, 77.6399, 105.8652.

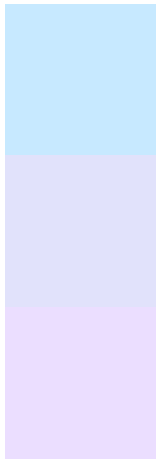


This preview shows how white text looks on a background with the XYZ color 70.7421, 77.6399,

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

70.7421, 77.6399, 105.8652

Protanopia

75.6603, 77.3653, 102.2121

Deuteranopia

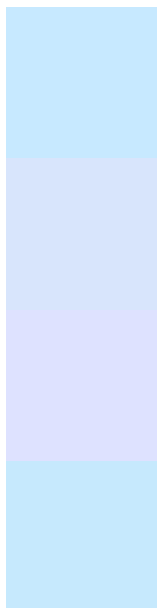
78.4322, 77.1247, 105.3605



Tritanopia

69.9983, 77.3119, 103.3288

Trichromacy



Original Color

70.7421, 77.6399, 105.8652

Protanomaly

73.9089, 77.6658, 103.1910

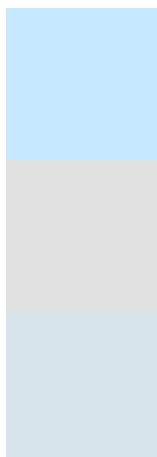
Deuteranomaly

75.3706, 77.1423, 105.5252

Tritanomaly

70.1572, 77.3754, 104.1658

Monochromacy



Original Color

70.7421, 77.6399, 105.8652

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

71.2026, 76.1419, 90.3009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7421, 77.6399, 105.8652 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(199, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 233, 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(199, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 233, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.7421, 77.6399, 105.8652 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(199, 233, 255) }
```


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

```
.border{ border-color:rgb(199, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 233,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7421, 77.6399, 105.8652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 233, 255) }
```

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

```
.background{ background-color: rgb(199,  
233, 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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