

Converting Colors

XYZ(71.2681, 77.7889,
111.5670)

Have a look what the booklet for
XYZ(71.2681, 77.7889, 111.5670)
contains.

| | |
|--|----|
| XYZ(70.2149, 77.3681, 105.8406) | 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(70.2149, 77.3681,
105.8406)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | C5E9FF |
| RGB | 197, 233, 255 |
| RGB Percent | 77%, 91%, 100% |
| CMY | 0.2274, 0.0863, 0.0000 |
| CMYK | 0.23, 0.09, 0.00, 0.00 |
| HSL | 203°, 100%, 89% |
| HSV | 203°, 23%, 100% |
| XYZ | 70.2149, 77.3681, 105.8406 |
| YIQ | 224.7440, -28.5180, -0.7900 |

Conversions

Conversions Part 2

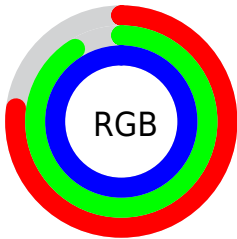
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 197, 219, 255 |
| Decimal | 12970495 |
| CIE _{Lab} | 90.49, -7.02, -14.51 |
| CIE _{LCh} | 90, 16.122, 244.199 |
| Yxy | 77.3681, 0.2771, 0.3053 |
| Android (android.graphics.Color) | 4291160575 (0xFFC5E9FF) |
| YUV | 224.7440, 14.9162, -24.3315 |
| Hunter-Lab | 87.9591, -11.4378, -9.7718 |

Details

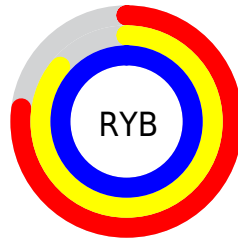
The XYZ color **70.2149, 77.3681, 105.8406** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.6496, 75.9537, 63.4459**, and the grayscale version is **71.2970, 75.0100, 81.6859**.

A 20% lighter version of the original color is **94.6831, 99.8108, 108.8828**, and **37.0705, 41.2723, 59.4386** is the 20% darker color. If you saturate the color by 10%, you get **61.4313, 68.8883, 104.6667**, and if you desaturate by 10%, it is **80.2821, 86.7363, 107.1182**.

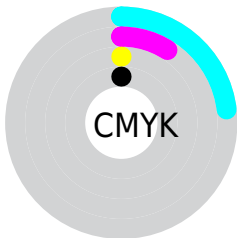
Distribution



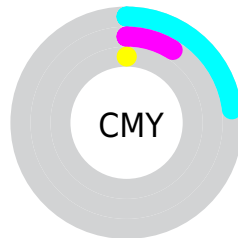
- Red (77%)
- Green (91%)
- Blue (100%)



- Red (77%)
- Yellow (86%)
- Blue (100%)



- Cyan (23%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.2149, 77.3681, 105.8406 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 70.2149, 77.3681, 105.8406 by changing the saturation by 10% instead.

70.2149, 77.3681,
105.8406

70.2149, 77.3681,
105.8406

450.5588,
486.0182, 600.1661

51.9820, 57.5550,
80.5432

118.5398,
129.6590, 171.2822

37.2149, 41.4510,
59.6366

149.3624,
162.9056, 212.2635

25.5484, 28.6717,
42.7024

185.1124,
201.3988, 259.3099

16.6170, 18.8326,
29.3220

226.1549,
245.5230, 312.8398

10.0554, 11.5494,
19.0769

272.8555,
295.6627, 373.2719

5.4983, 6.4376,
11.5485

325.5795,

2.5802, 3.1130,

352.2022, 441.0246

6.3182

384.6921,
415.5259, 516.5165

■ 0.9359, 1.1910,
2.9676

■ 0.0000, 0.0543,
1.0781

■ 70.2149, 77.3681,
105.8406

■ 70.2149, 77.3681,
105.8406

■ 61.4313, 68.8883,
104.6667

■ 80.2821, 86.7363,
107.1182

■ 53.8659, 61.2538,
103.5919

■ 91.6818, 97.0156,
108.5015

■ 47.4566, 54.4309,
102.6127

■ 95.0500, 100.0000,
108.9000

■ 42.1329, 48.3796,
101.7253

■ 37.8159, 43.0553,
100.9251

■ 34.4147, 38.4073,
100.2072

■ 31.8197, 34.3750,
99.5657

■ 30.3265, 31.7730,
99.1422

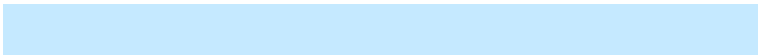
Harmonies

Analogous

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



67.3118, 77.3681, 97.3394



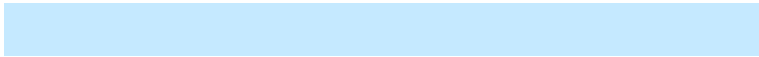
70.2149, 77.3681, 105.8406



74.1049, 77.3681, 108.3668

Triad

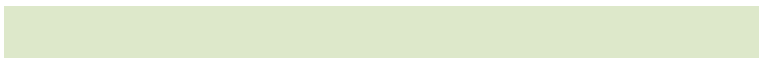
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.2149, 77.3681, 105.8406



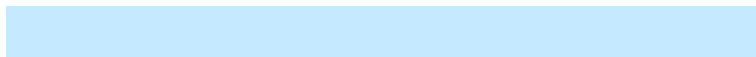
81.5376, 77.3681, 82.6262



69.2663, 77.3681, 67.1875

Complementary

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



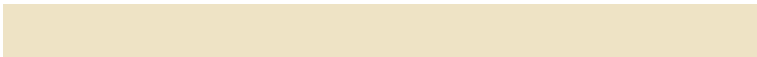
70.2149, 77.3681, 105.8406



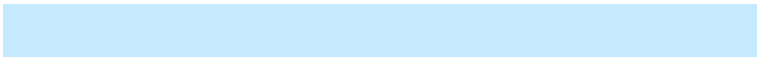
76.6496, 75.9537, 63.4459

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.



72.9701, 77.3681, 63.9908



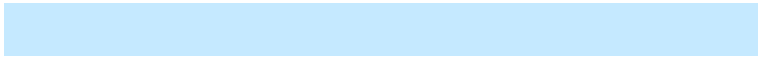
70.2149, 77.3681, 105.8406



80.1327, 77.3681, 72.3732

Square

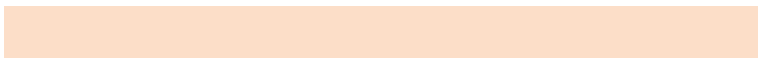
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



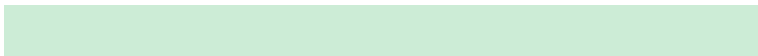
70.2149, 77.3681, 105.8406



80.7350, 77.3681, 94.2730



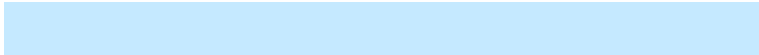
76.9603, 77.3681, 65.7997



66.7783, 77.3681, 74.9467

Rectangle

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



70.2149, 77.3681, 105.8406



76.7582, 77.3681, 106.1461



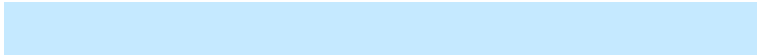
76.9603, 77.3681, 65.7997



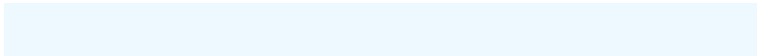
70.4054, 77.3681, 65.5776

Sweetspot

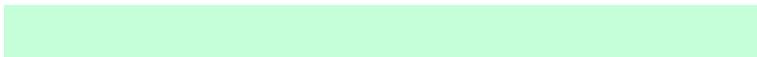
The Sweet Spot groups the original color and five complimentary colors.



70.2170, 77.3711, 105.8410



86.6634, 92.5269, 107.8996



71.4769, 88.4668, 79.8227



18.4015, 19.6712, 23.0770



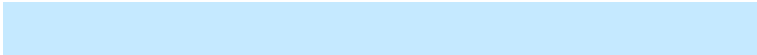
0.0000, 0.0000, 0.0000



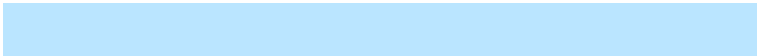
20.3446, 21.4041, 23.3091

Same Dimension

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



70.2170, 77.3711, 105.8410



66.3246, 73.6548, 105.3289



62.8450, 62.6272, 103.3837



17.9423, 19.2561, 23.0211



15.9948, 16.8992, 51.8534



1.6628, 1.8563, 5.0839

Inverse Universe

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



75.9156, 67.0774, 86.0402



72.9578, 62.0920, 82.1868



84.6609, 91.9764, 66.1163



18.4835, 18.1767, 21.1632



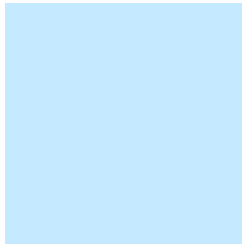
24.8616, 12.4339, 18.4537



2.4739, 1.2319, 2.0770

Previews

White Background



This preview shows how the XYZ color 70.2149, 77.3681, 105.8406 looks on a white background.

Color Contrast Check

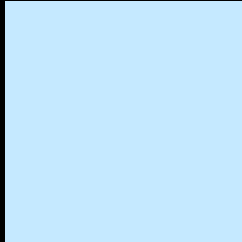
Large Text (above 18pt) WCAG AA × Fail

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 70.2149, 77.3681, 105.8406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

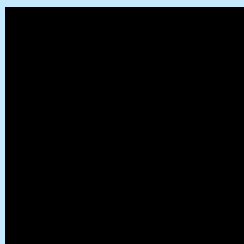
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

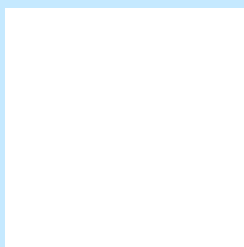
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.2149, 77.3681, 105.8406

Background



This preview shows how black text looks on a background with the XYZ color 70.2149, 77.3681, 105.8406.



This preview shows how white text looks on a background with the XYZ color 70.2149, 77.3681,

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

70.2149, 77.3681, 105.8406

Protanopia

75.5030, 77.3024, 101.3839

Deuteranopia

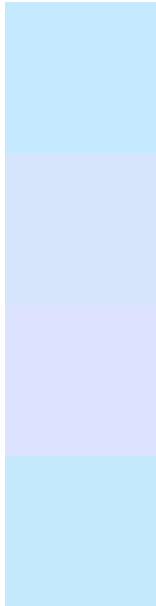
78.4322, 77.1247, 105.3605



Tritanopia

69.4746, 77.0419, 103.3043

Trichromacy



Original Color

70.2149, 77.3681, 105.8406

Protanomaly

73.6143, 77.5140, 103.1773

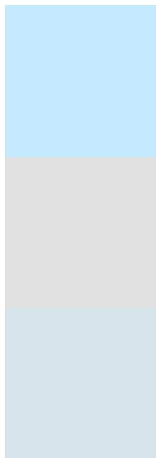
Deuteranomaly

75.0651, 76.9849, 105.5109

Tritanomaly

69.6335, 77.1054, 104.1413

Monochromacy



Original Color

70.2149, 77.3681, 105.8406

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.9081, 75.9900, 90.2872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2149, 77.3681, 105.8406 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(197, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(197, 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(197, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 233, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.2149, 77.3681, 105.8406 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(197, 233, 255) }
```


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

```
.border{ border-color:rgb(197, 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(197, 233, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(197, 233,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2149, 77.3681, 105.8406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 233, 255) }
```

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

```
.background{ background-color: rgb(197,  
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](#).

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