

Converting Colors

XYZ(70.4228, 74.9992,
105.3724)

Have a look what the booklet for
XYZ(70.4228, 74.9992, 105.3724)
contains.

XYZ(70.4209, 74.9955, 105.3717)	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(70.4209, 74.9955,
105.3717)**

Conversions

Conversions Part 1

Format	Color
Hex	CCE3FF
RGB	204, 227, 255
RGB Percent	80%, 89%, 100%
CMY	0.2000, 0.1098, 0.0000
CMYK	0.20, 0.11, 0.00, 0.00
HSL	213°, 100%, 90%
HSV	213°, 20%, 100%
XYZ	70.4209, 74.9955, 105.3717
YIQ	223.3150, -22.6960, 3.8320

Conversions

Conversions Part 2

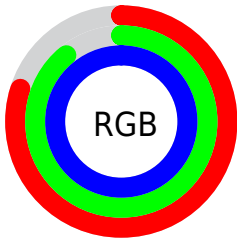
Format	Color
R_{YB}	204, 220, 255
Decimal	13427711
CIE _{Lab}	89.39, -1.83, -16.12
CIE _{LCh}	89, 16.222, 263.507
Yxy	74.9955, 0.2808, 0.2990
Android (android.graphics.Color)	4291617791 (0xFFCCE3FF)
YUV	223.3150, 15.6207, -16.9393
Hunter-Lab	86.5999, -6.3982, -11.5220

Details

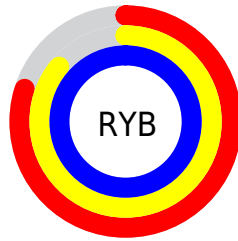
The XYZ color **70.4209, 74.9955, 105.3717** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.9955, 83.3319, 68.9442**, and the grayscale version is **70.2688, 73.9283, 80.5079**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.3400, 39.9718, 59.1734** is the 20% darker color. If you saturate the color by 10%, you get **60.3215, 64.3362, 103.8466**, and if you desaturate by 10%, it is **81.9800, 86.8733, 107.0551**.

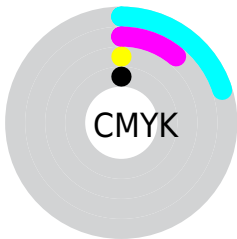
Distribution



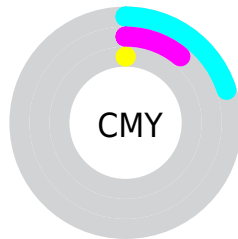
- Red (80%)
- Green (89%)
- Blue (100%)



- Red (80%)
- Yellow (86%)
- Blue (100%)



- Cyan (20%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.4209, 74.9955, 105.3717 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 70.4209, 74.9955, 105.3717 by changing the saturation by 10% instead.

■ 70.4209, 74.9955,
105.3717

■ 70.4209, 74.9955,
105.3717

451.2699,
477.9021, 598.6741

■ 52.1506, 55.6092,
80.1524

118.8318,
126.3060, 170.6358

■ 37.3499, 39.8897,
59.3169

149.7031,
158.9990, 211.5176

■ 25.6534, 27.4525,
42.4466

185.5054,
196.8963, 258.4574

■ 16.6959, 17.9134,
29.1229

226.6041,
240.3824, 311.8736

■ 10.1118, 10.8878,
18.9275

273.3645,
289.8416, 372.1849

■ 5.5360, 5.9915,
11.4416

326.1521,

■ 2.6030, 2.8399,

345.6584, 439.8097

6.2468

385.3321,
408.2171, 515.1666

■ 0.9475, 1.0487,
2.9245

■ 0.0000, 0.0000,
1.0562

■ 70.4209, 74.9955,
105.3717

■ 70.4209, 74.9955,
105.3717

■ 60.3215, 64.3362,
103.8466

■ 81.9800, 86.8733,
107.0551

■ 51.6126, 54.8430,
102.4732

95.0500, 100.0000,
108.9000

■ 44.2284, 46.4726,
101.2468

■ 38.0948, 39.1749,
100.1614

■ 33.1297, 32.8954,
99.2111

■ 29.2400, 27.5730,
98.3888

■ 26.3157, 23.1378,
97.6868

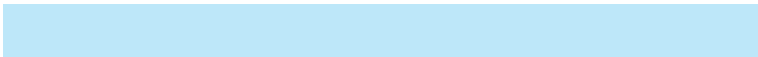
■ 24.1827, 19.4854,
97.0942

■ 24.1825, 19.4851,
97.0942

Harmonies

Analogous

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



66.8352, 74.9955, 100.5314



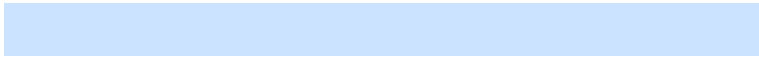
70.4209, 74.9955, 105.3717



74.3704, 74.9955, 103.3992

Triad

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



70.4209, 74.9955, 105.3717



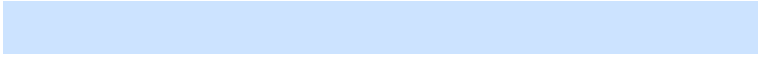
78.5155, 74.9955, 73.2412



65.3164, 74.9955, 69.3290

Complementary

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



70.4209, 74.9955, 105.3717



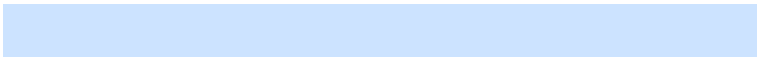
80.9955, 83.3319, 68.9442

Split Complementary

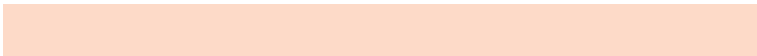
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.2783, 74.9955, 63.1992



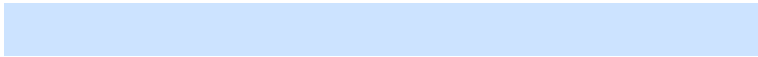
70.4209, 74.9955, 105.3717



75.9197, 74.9955, 65.3070

Square

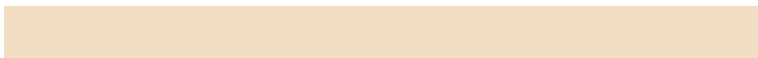
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.4209, 74.9955, 105.3717



79.1408, 74.9955, 84.1556



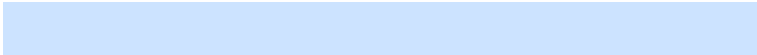
72.1480, 74.9955, 61.7980



63.9596, 74.9955, 79.2091

Rectangle

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



70.4209, 74.9955, 105.3717



76.6685, 74.9955, 98.5688



72.1480, 74.9955, 61.7980



66.1519, 74.9955, 66.8001

Sweetspot

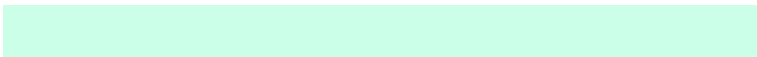
The Sweet Spot groups the original color and five complimentary colors.



70.4229, 74.9985, 105.3722



87.0223, 91.9705, 107.7733



75.1148, 90.1387, 89.1900



18.4465, 19.5043, 23.0424



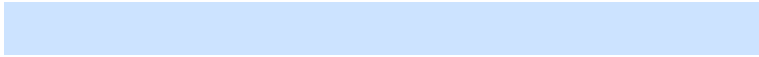
0.0000, 0.0000, 0.0000



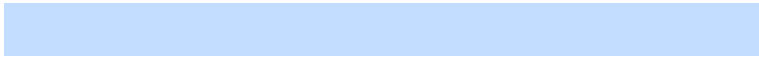
20.3446, 21.4041, 23.3091

Same Dimension

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



70.4229, 74.9985, 105.3722



66.2100, 70.5893, 104.7432



65.0146, 63.4863, 103.4352



17.6777, 18.7270, 22.9329



12.7802, 10.4701, 50.7819



1.3517, 1.2340, 4.9802

Inverse Universe

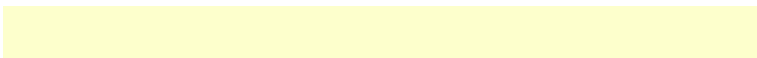
The Inverse Universe completely reimagines the original color for something new.



76.6993, 69.9933, 82.1440



73.5923, 64.9966, 77.3559



87.2768, 96.8188, 71.2164



18.3500, 18.1233, 20.4601



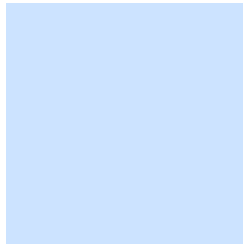
23.2391, 11.7849, 9.9094



2.3169, 1.1691, 1.2501

Previews

White Background



This preview shows how the XYZ color 70.4209, 74.9955, 105.3717 looks on a white background.

Color Contrast Check

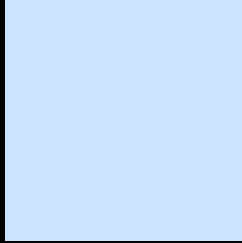
Large Text (above 18pt) WCAG AA × Fail

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 70.4209, 74.9955, 105.3717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

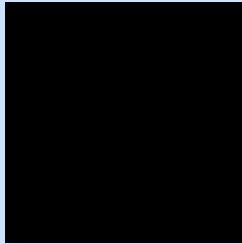
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

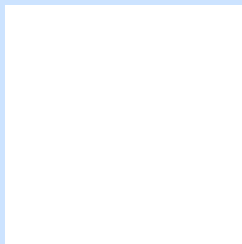
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.4209, 74.9955, 105.3717

Background



This preview shows how black text looks on a background with the XYZ color 70.4209, 74.9955, 105.3717.



This preview shows how white text looks on a background with the XYZ color 70.4209, 74.9955,

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

70.4209, 74.9955, 105.3717

Protanopia

73.4736, 75.0193, 102.7032

Deuteranopia

76.0146, 74.7060, 105.0210



Tritanopia

68.8890, 74.7588, 98.7947

Trichromacy



Original Color

70.4209, 74.9955, 105.3717

Protanomaly

72.1168, 74.6993, 103.5459

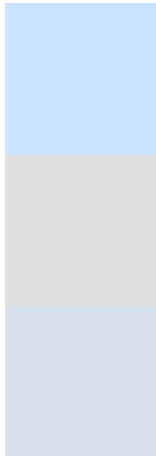
Deuteranomaly

73.9901, 74.8347, 105.1526

Tritanomaly

69.6273, 75.0854, 101.2657

Monochromacy



Original Color

70.4209, 74.9955, 105.3717

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.9700, 73.9084, 89.1752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.4209, 74.9955, 105.3717 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(204, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 227, 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(204, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 227, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.4209, 74.9955, 105.3717 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(204, 227, 255) }
```


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

```
.border{ border-color:rgb(204, 227, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 227,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4209, 74.9955, 105.3717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 227, 255) }
```

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

```
.background{ background-color: rgb(204,  
227, 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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