

# Converting Colors

XYZ(71.2103, 74.5901,  
104.8109)

Have a look what the booklet for  
XYZ(71.2103, 74.5901, 104.8109)  
contains.

<b>XYZ(71.1091, 74.5615, 104.4099)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(71.1091, 74.5615,  
104.4099)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1E1FE
RGB	209, 225, 254
RGB Percent	82%, 88%, 100%
CMY	0.1804, 0.1176, 0.0039
CMYK	0.18, 0.11, 0.00, 0.00
HSL	219°, 96%, 91%
HSV	219°, 18%, 100%
XYZ	71.1091, 74.5615, 104.4099
YIQ	223.5220, -18.8450, 5.6270

# Conversions

## Conversions Part 2

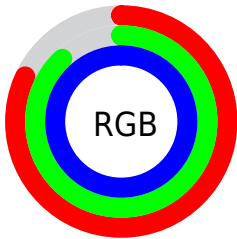
Format	Color
R <sub>Y</sub> B	209, 221, 254
Decimal	13754878
CIE Lab	89.19, 0.51, -15.87
CIE LCh	89, 15.874, 271.850
Yxy	74.5615, 0.2843, 0.2981
Android (android.graphics.Color)	4291944958 (0xFFD1E1FE)
YUV	223.5220, 15.0257, -12.7358
Hunter-Lab	86.3490, -4.1146, -11.2469

# Details

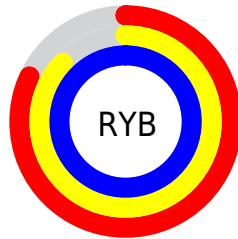
The XYZ color **71.1091, 74.5615, 104.4099** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.9568, 86.8233, 72.7095**, and the grayscale version is **70.4184, 74.0856, 80.6792**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.7792, 39.6507, 58.4855** is the 20% darker color. If you saturate the color by 10%, you get **60.2733, 62.7203, 102.6966**, and if you desaturate by 10%, it is **83.5193, 87.8477, 106.3215**.

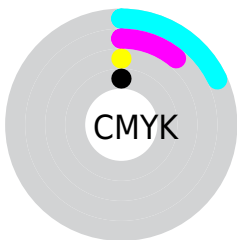
# Distribution



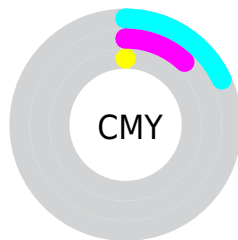
- Red (82%)
- Green (88%)
- Blue (100%)



- Red (82%)
- Yellow (87%)
- Blue (100%)



- Cyan (18%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (12%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.1091, 74.5615, 104.4099 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 71.1091, 74.5615, 104.4099 by changing the saturation by 10% instead.



■ 71.1091, 74.5615,  
104.4099

■ 71.1091, 74.5615,  
104.4099

453.6406,  
476.4090, 595.6076

■ 52.7141, 55.2537,  
79.3512

119.8067,  
125.6915, 169.3088

■ 37.8011, 39.6049,  
58.6616

150.8401,  
158.2824, 209.9861

■ 26.0049, 27.2306,  
41.9225

186.8169,  
196.0699, 256.7067

■ 16.9600, 17.7465,  
28.7155

228.1025,  
239.4383, 309.8891

■ 10.3011, 10.7681,  
18.6220

275.0624,  
288.7721, 369.9518

■ 5.6628, 5.9112,  
11.2234

328.0618,

■ 2.6799, 2.7911,

344.4555, 437.3135

6.1013

387.4661,  
406.8730, 512.3925

■ 0.9868, 1.0237,  
2.8370

■ 0.0000, 0.0000,  
1.0120

■ 71.1091, 74.5615,  
104.4099

■ 71.1091, 74.5615,  
104.4099

■ 60.2733, 62.7203,  
102.6966

■ 83.5193, 87.8477,  
106.3215

■ 50.9389, 52.2634,  
101.1702

94.8896, 99.9358,  
108.0555

■ 43.0375, 43.1387,  
99.8254

■ 36.4918, 35.2873,  
98.6549

■ 31.2171, 28.6450,  
97.6509

■ 27.1179, 23.1412,  
96.8046

■ 24.0835, 18.6957,  
96.1064

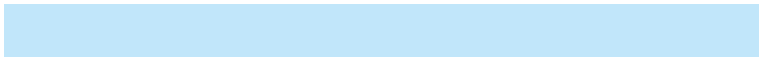
■ 21.9707, 15.2103,  
95.5450

■ 21.5734, 14.5234,  
95.4334

# Harmonies

## Analogous

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



67.4145, 74.5615, 101.4691



71.1091, 74.5615, 104.4099



74.8695, 74.5615, 100.6725

# Triad

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



71.1091, 74.5615, 104.4099



77.3812, 74.5615, 70.4469



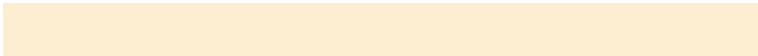
64.5058, 74.5615, 71.5371

# Complementary

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



71.1091, 74.5615, 104.4099



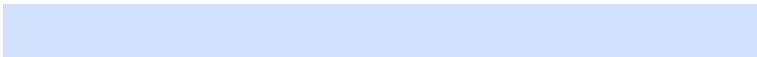
82.9568, 86.8233, 72.7095

# Split Complementary

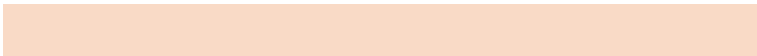
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.0126, 74.5615, 64.3897



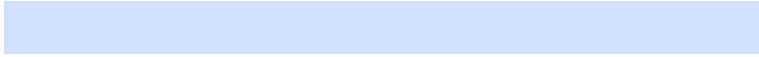
71.1091, 74.5615, 104.4099



74.4385, 74.5615, 63.8017

# Square

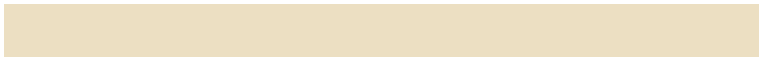
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.1091, 74.5615, 104.4099



78.5716, 74.5615, 80.4984



70.6284, 74.5615, 61.6876



63.6861, 74.5615, 81.8751



# Rectangle

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



71.1091, 74.5615, 104.4099



76.8848, 74.5615, 95.0780



70.6284, 74.5615, 61.6876



65.1745, 74.5615, 68.7155

# Sweetspot

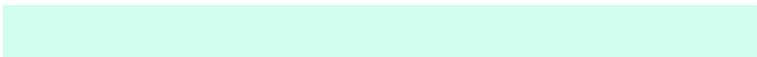
The Sweet Spot groups the original color and five complimentary colors.



71.1114, 74.5646, 104.4116



87.9486, 92.5311, 107.8326



77.0970, 90.5840, 93.9268



18.6182, 19.5873, 23.0494



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.



71.1114, 74.5646, 104.4116



67.9814, 71.1456, 104.7572



68.7158, 67.2055, 103.1174



17.5315, 18.4347, 22.8842



11.4993, 7.9082, 50.3549



1.2182, 0.9671, 4.9357



# Inverse Universe

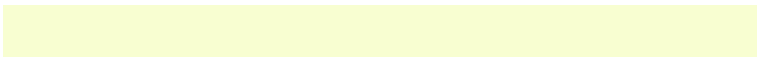
The Inverse Universe completely reimagines the original color for something new.



77.2659, 72.1098, 81.0838



75.2154, 68.4369, 77.2985



85.6632, 95.4449, 74.2310



18.2762, 18.0938, 20.0715



22.5925, 11.5263, 6.5047

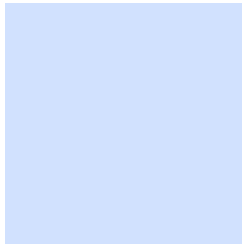


2.2495, 1.1422, 0.8953



# Previews

## White Background



This preview shows how the XYZ color 71.1091, 74.5615, 104.4099 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

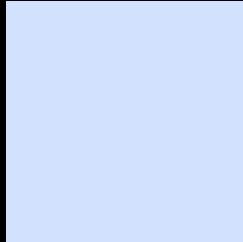
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.1091, 74.5615, 104.4099 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

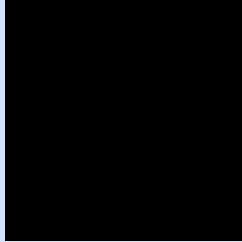
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

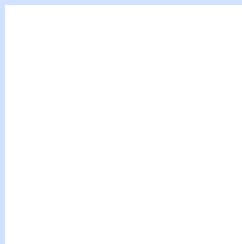
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 71.1091, 74.5615, 104.4099

## Background



This preview shows how black text looks on a background with the XYZ color 71.1091, 74.5615, 104.4099.



This preview shows how white text looks on a background with the XYZ color 71.1091, 74.5615,



# 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

71.1091, 74.5615, 104.4099

### Protanopia

72.9054, 74.3309, 102.6002

### Deuteranopia

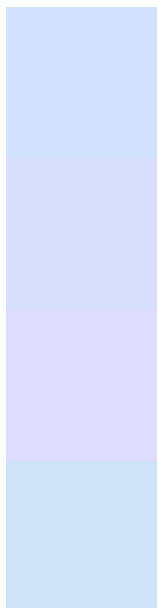
76.0764, 74.3517, 104.9494



## Tritanopia

69.6826, 74.7961, 97.1506

# Trichromacy



## Original Color

71.1091, 74.5615, 104.4099

## Protanomaly

72.1416, 74.3143, 103.4703

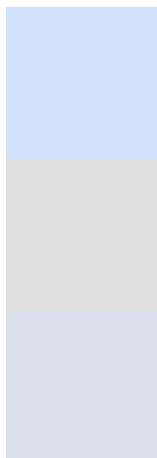
## Deuteranomaly

74.3379, 74.6209, 105.0930

## Tritanomaly

70.1521, 74.5799, 99.5049

# Monochromacy



## Original Color

71.1091, 74.5615, 104.4099

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

70.8645, 74.3695, 89.2171

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.1091, 74.5615, 104.4099 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(209, 225, 254)` looks like.

```
.text, #text, p{  
    color:rgb(209, 225, 254)  
}
```

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(209, 225, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 225, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 71.1091, 74.5615, 104.4099 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(209, 225, 254) }
```



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

```
.border{ border-color:rgb(209, 225, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 225, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 225, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 225, 254);  
box-shadow:4px 4px 4px 4px rgb(209, 225,  
254) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.1091, 74.5615, 104.4099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 225, 254) }
```

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

```
.background{ background-color: rgb(209,  
225, 254) }
```

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