

# Converting Colors

XYZ(69.4438, 74.2759,  
105.2012)

Have a look what the booklet for  
XYZ(69.4438, 74.2759, 105.2012)  
contains.

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# **Color**

**XYZ(69.3338, 74.0302,  
105.2427)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9E2FF
RGB	201, 226, 255
RGB Percent	79%, 89%, 100%
CMY	0.2118, 0.1137, 0.0000
CMYK	0.21, 0.11, 0.00, 0.00
HSL	212°, 100%, 89%
HSV	212°, 21%, 100%
XYZ	69.3338, 74.0302, 105.2427
YIQ	221.8310, -24.2090, 3.7190

# Conversions

## Conversions Part 2

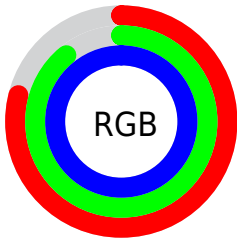
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	201, 218, 255
Decimal	13230847
CIE Lab	88.94, -2.22, -16.82
CIE LCh	89, 16.966, 262.491
Yxy	74.0302, 0.2789, 0.2978
Android (android.graphics.Color)	4291420927 (0xFFC9E2FF)
YUV	221.8310, 16.3523, -18.2688
Hunter-Lab	86.0408, -6.7317, -12.2933

# Details

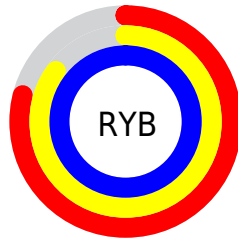
The XYZ color **69.3338, 74.0302, 105.2427** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.0794, 82.0700, 66.8807**, and the grayscale version is **69.2142, 72.8187, 79.2996**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.6100, 39.3140, 59.0849** is the 20% darker color. If you saturate the color by 10%, you get **59.4638, 63.6351, 103.7565**, and if you desaturate by 10%, it is **80.6432, 85.6125, 106.8823**.

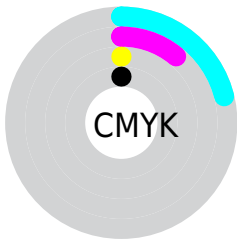
# Distribution



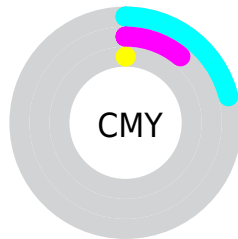
- Red (79%)
- Green (89%)
- Blue (100%)



- Red (79%)
- Yellow (85%)
- Blue (100%)



- Cyan (21%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (11%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.3338, 74.0302, 105.2427 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 69.3338, 74.0302, 105.2427 by changing the saturation by 10% instead.



■ 69.3338, 74.0302,  
105.2427

■ 69.3338, 74.0302,  
105.2427

447.5104,  
474.5776, 598.2633

■ 51.2612, 54.8188,  
80.0449

117.2897,  
124.9386, 170.4579

■ 36.6384, 39.2566,  
59.2289

147.9037,  
157.4044, 211.3123

■ 25.1001, 26.9594,  
42.3762

183.4289,  
195.0570, 258.2227

■ 16.2808, 17.5428,  
29.0682

224.2307,  
238.2810, 311.6077

■ 9.8151, 10.6222,  
18.8864

270.6744,  
287.4606, 371.8857

■ 5.3379, 5.8134,  
11.4122

323.1253,

■ 2.4836, 2.7320,

342.9803, 439.4752

6.2272

381.9488,  
405.2245, 514.7949

■ 0.8870, 0.9934,  
2.9127

■ 0.0000, 0.0000,  
1.0502

■ 69.3338, 74.0302,  
105.2427

■ 69.3338, 74.0302,  
105.2427

■ 59.4638, 63.6351,  
103.7565

■ 80.6432, 85.6125,  
106.8823

■ 50.9640, 54.3758,  
102.4172

■ 93.4448, 98.4135,  
108.6784

■ 43.7684, 46.2093,  
101.2202

■ 95.0500, 100.0000,  
108.9000

■ 37.8027, 39.0864,  
100.1598

■ 32.9843, 32.9530,  
99.2298

■ 29.2190, 27.7483,  
98.4237

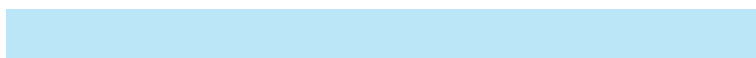
■ 26.3951, 23.4023,  
97.7337

■ 24.5366, 20.1931,  
97.2122

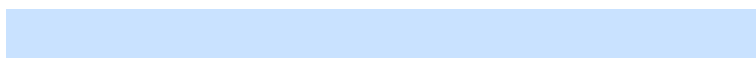
# Harmonies

## Analogous

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



65.6517, 74.0302, 99.9654



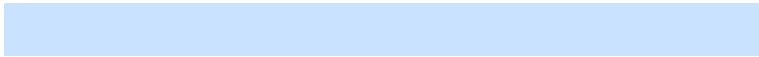
69.3338, 74.0302, 105.2427



73.4360, 74.0302, 103.4253

# Triad

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



69.3338, 74.0302, 105.2427



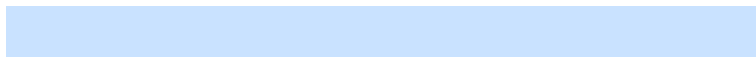
77.9355, 74.0302, 72.2394



64.2677, 74.0302, 67.5725

# Complementary

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



69.3338, 74.0302, 105.2427



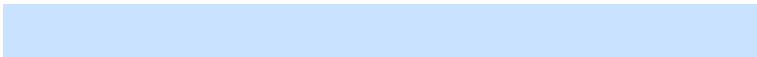
80.0794, 82.0700, 66.8807

# 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.



67.3779, 74.0302, 61.4178



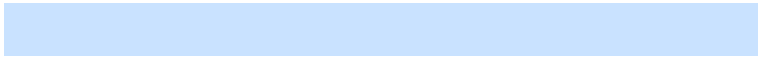
69.3338, 74.0302, 105.2427



75.2955, 74.0302, 63.9233

# Square

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



69.3338, 74.0302, 105.2427



78.5089, 74.0302, 83.6062



71.4033, 74.0302, 60.1501

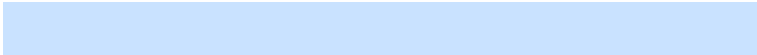


62.8019, 74.0302, 77.6790



# Rectangle

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



69.3338, 74.0302, 105.2427



75.8484, 74.0302, 98.5101



71.4033, 74.0302, 60.1501



65.1496, 74.0302, 65.0149

# Sweetspot

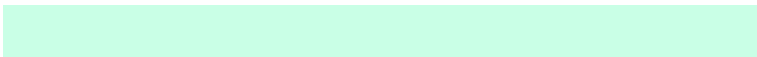
The Sweet Spot groups the original color and five complimentary colors.



69.3358, 74.0331, 105.2432



87.0782, 92.0824, 107.7919



74.1033, 89.6400, 88.1134



18.4597, 19.5307, 23.0468



0.0000, 0.0000, 0.0000

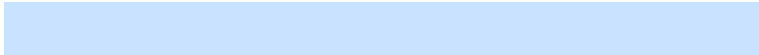


20.3446, 21.4041, 23.3091

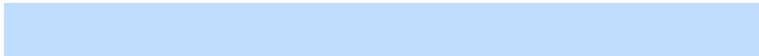


# Same Dimension

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



69.3358, 74.0331, 105.2432



65.3938, 69.9189, 104.6568



63.5124, 61.6636, 103.1625



17.6962, 18.7640, 22.9391



12.9667, 10.8430, 50.8441



1.3705, 1.2716, 4.9865



# Inverse Universe

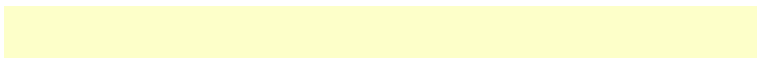
The Inverse Universe completely reimagines the original color for something new.



75.8555, 68.5260, 81.1836



72.9455, 63.8388, 76.7216



86.8839, 96.6574, 69.3377



18.3593, 18.1270, 20.5092



23.3332, 11.8226, 10.4050

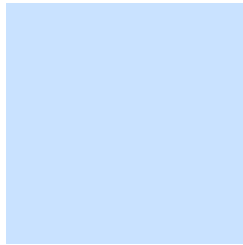


2.3264, 1.1729, 1.3000



# Previews

## White Background



This preview shows how the XYZ color 69.3338, 74.0302, 105.2427 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

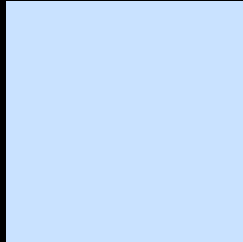
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.3338, 74.0302, 105.2427 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

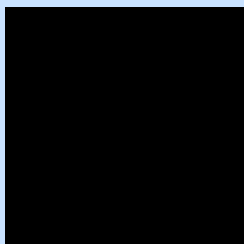
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

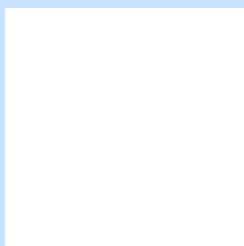
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 69.3338, 74.0302, 105.2427

## Background



This preview shows how black text looks on a background with the XYZ color 69.3338, 74.0302, 105.2427.



This preview shows how white text looks on a background with the XYZ color 69.3338, 74.0302,



# 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

69.3338, 74.0302, 105.2427

### Protanopia

72.3406, 73.6466, 102.4979

### Deuteranopia

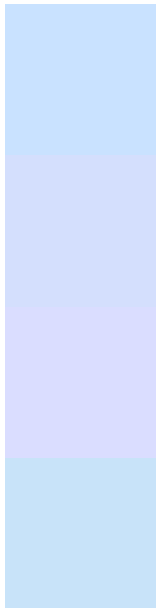
75.1163, 73.8568, 104.9045



## **Tritanopia**

67.9311, 74.2827, 97.9464

# Trichromacy



## Original Color

69.3338, 74.0302, 105.2427

## Protanomaly

71.2687, 73.8643, 103.4295

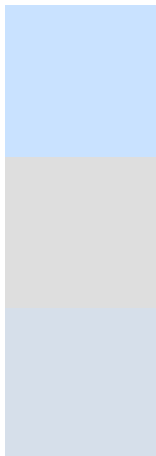
## Deuteranomaly

72.8199, 73.8383, 105.0219

## Tritanomaly

68.3874, 74.0571, 100.3126

# Monochromacy



## Original Color

69.3338, 74.0302, 105.2427

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

68.9705, 73.0120, 88.2995

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.3338, 74.0302, 105.2427 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(201, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(201, 226, 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(201, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 226, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 69.3338, 74.0302, 105.2427 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(201, 226, 255) }
```



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

```
.border{ border-color:rgb(201, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(201, 226, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(201, 226, 255); box-shadow:4px 4px 4px 4px rgb(201, 226, 255) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.3338, 74.0302, 105.2427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 226, 255) }
```

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

```
.background{ background-color: rgb(201,  
226, 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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