

# Converting Colors

XYZ(69.8771, 73.9078,  
105.1905)

Have a look what the booklet for  
XYZ(69.8771, 73.9078, 105.1905)  
contains.

<b>XYZ(69.8771, 73.9078, 105.1905)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(69.8771, 73.9078,  
105.1905)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCE1FF
RGB	204, 225, 255
RGB Percent	80%, 88%, 100%
CMY	0.2000, 0.1176, 0.0000
CMYK	0.20, 0.12, 0.00, 0.00
HSL	215°, 100%, 90%
HSV	215°, 20%, 100%
XYZ	69.8771, 73.9078, 105.1905
YIQ	222.1410, -22.1460, 4.8780

# Conversions

## Conversions Part 2

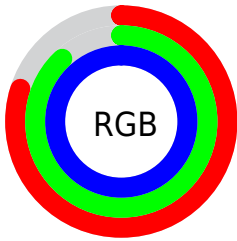
<b>Format</b>	<b>Color</b>
<b>RYB</b>	204, 219, 255
Decimal	13427199
CIELab	88.88, -0.80, -16.89
CIELCh	89, 16.906, 267.304
Yxy	73.9078, 0.2807, 0.2968
Android (android.graphics.Color)	4291617279 (0xFFCCE1FF)
YUV	222.1410, 16.1995, -15.9097
Hunter-Lab	85.9696, -5.3601, -12.3671

# Details

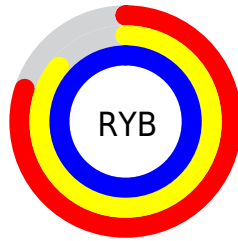
The XYZ color **69.8771, 73.9078, 105.1905** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.5618, 84.4644, 69.1331**, and the grayscale version is **69.4328, 73.0488, 79.5501**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.9622, 39.2162, 59.0475** is the 20% darker color. If you saturate the color by 10%, you get **59.5738, 62.8408, 103.5973**, and if you desaturate by 10%, it is **81.6848, 86.2829, 106.9568**.

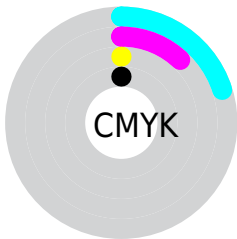
# Distribution



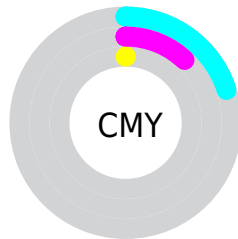
- Red (80%)
- Green (88%)
- Blue (100%)



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



- Cyan (20%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (12%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8771, 73.9078, 105.1905 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 69.8771, 73.9078, 105.1905 by changing the saturation by 10% instead.



■ 69.8771, 73.9078,  
105.1905

■ 69.8771, 73.9078,  
105.1905

449.3915,  
474.1551, 598.0970

■ 51.7056, 54.7186,  
80.0014

118.0607,  
124.7651, 170.3859

■ 36.9938, 39.1765,  
59.1933

148.8035,  
157.2020, 211.2292

■ 25.3763, 26.8970,  
42.3477

184.4674,  
194.8235, 258.1278

■ 16.4879, 17.4959,  
29.0461

225.4178,  
238.0141, 311.5000

■ 9.9631, 10.5887,  
18.8698

272.0201,  
287.1582, 371.7645

■ 5.4366, 5.7910,  
11.4004

324.6396,

■ 2.5430, 2.7184,

342.6401, 439.3399

6.2193

383.6416,  
404.8443, 514.6445

■ 0.9170, 0.9865,  
2.9079

■ 0.0000, 0.0000,  
1.0478

■ 69.8771, 73.9078,  
105.1905

■ 69.8771, 73.9078,  
105.1905

■ 59.5738, 62.8408,  
103.5973

■ 81.6848, 86.2829,  
106.9568

■ 50.7042, 53.0262,  
102.1704

95.0500, 100.0000,  
108.9000

■ 43.2006, 44.4169,  
100.9041

■ 36.9868, 36.9590,  
99.7921

■ 31.9789, 30.5937,  
98.8274

■ 28.0812, 25.2556,  
98.0025

■ 25.1817, 20.8696,  
97.3088

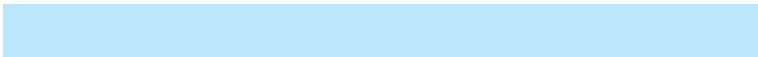
■ 23.1033, 17.3265,  
96.7344

■ 23.1031, 17.3261,  
96.7344

# Harmonies

## Analogous

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



66.0753, 73.9078, 101.0016



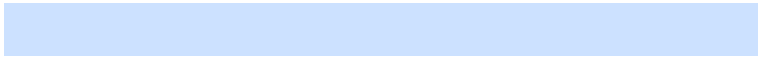
69.8771, 73.9078, 105.1905



73.9247, 73.9078, 102.2419

# Triad

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



69.8771, 73.9078, 105.1905



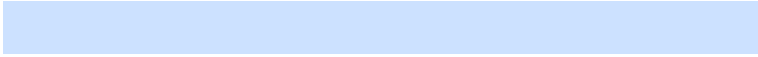
77.4856, 73.9078, 70.5570



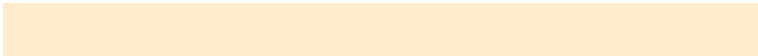
63.8212, 73.9078, 68.8859

# Complementary

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



69.8771, 73.9078, 105.1905



81.5618, 84.4644, 69.1331

# 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.



66.6936, 73.9078, 62.0366



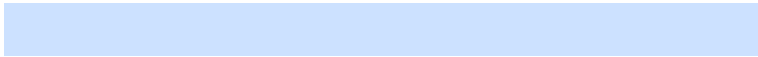
69.8771, 73.9078, 105.1905



74.5910, 73.9078, 62.9335

# Square

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



69.8771, 73.9078, 105.1905



78.4174, 73.9078, 81.5394



70.6185, 73.9078, 59.9668



62.6651, 73.9078, 79.4160



# Rectangle

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



69.8771, 73.9078, 105.1905



76.2002, 73.9078, 96.7697



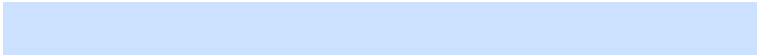
70.6185, 73.9078, 59.9668



64.6125, 73.9078, 66.1171

# Sweetspot

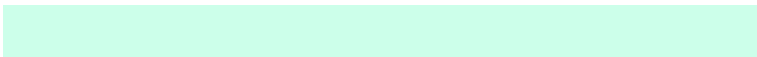
The Sweet Spot groups the original color and five complimentary colors.



69.8791, 73.9107, 105.1909



86.8394, 91.6049, 107.7123



75.4782, 90.2840, 91.1031



18.4033, 19.4180, 23.0280



0.0000, 0.0000, 0.0000

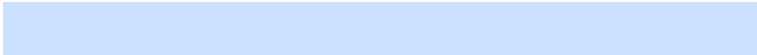


20.3446, 21.4041, 23.3091



# Same Dimension

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



69.8791, 73.9107, 105.1909



65.5793, 69.3278, 104.5329



65.7271, 63.8537, 103.4685



17.6174, 18.6064, 22.9128



12.2103, 9.3301, 50.5919



1.2934, 1.1174, 4.9608



# Inverse Universe

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



76.4248, 69.8836, 80.6984



73.2739, 64.8693, 75.6793



86.3532, 96.3426, 71.1733



18.3195, 18.1111, 20.2998



22.9514, 11.6698, 8.3944

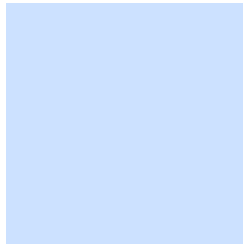


2.2874, 1.1573, 1.0950



# Previews

## White Background



This preview shows how the XYZ color 69.8771, 73.9078, 105.1905 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

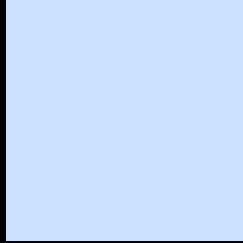
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.8771, 73.9078, 105.1905 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

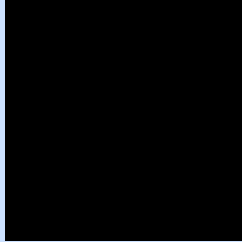
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

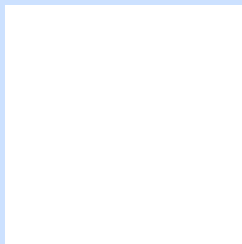
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 69.8771, 73.9078, 105.1905

## Background



This preview shows how black text looks on a background with the XYZ color 69.8771, 73.9078, 105.1905.



This preview shows how white text looks on a background with the XYZ color 69.8771, 73.9078,



# 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

69.8771, 73.9078, 105.1905

### Protanopia

72.4995, 73.7102, 103.3349

### Deuteranopia

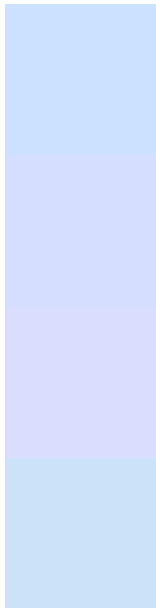
75.1163, 73.8568, 104.9045



## Tritanopia

68.3076, 74.0873, 97.0863

# Trichromacy



## Original Color

69.8771, 73.9078, 105.1905

## Protanomaly

71.4512, 73.5444, 104.1955

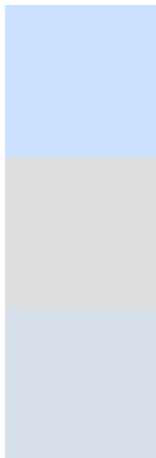
## Deuteranomaly

73.1199, 73.9930, 105.0360

## Tritanomaly

68.9238, 73.9288, 100.2595

# Monochromacy



## Original Color

69.8771, 73.9078, 105.1905

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

69.2633, 73.1629, 88.3132

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.8771, 73.9078, 105.1905 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, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 225, 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, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 225, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 69.8771, 73.9078, 105.1905 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, 225, 255) }
```



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

```
.border{ border-color:rgb(204, 225, 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, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 225,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.8771, 73.9078, 105.1905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 225, 255) }
```

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

```
.background{ background-color: rgb(204,  
225, 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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