

# Converting Colors

XYZ(69.8185, 73.3793,  
105.0915)

Have a look what the booklet for  
XYZ(69.8185, 73.3793, 105.0915)  
contains.

<b>XYZ(69.8825, 73.5104, 105.1135)</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(69.8825, 73.5104,  
105.1135)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDE0FF
RGB	205, 224, 255
RGB Percent	80%, 88%, 100%
CMY	0.1961, 0.1216, 0.0000
CMYK	0.20, 0.12, 0.00, 0.00
HSL	217°, 100%, 90%
HSV	217°, 20%, 100%
XYZ	69.8825, 73.5104, 105.1135
YIQ	221.8530, -21.2750, 5.6130

# Conversions

## Conversions Part 2

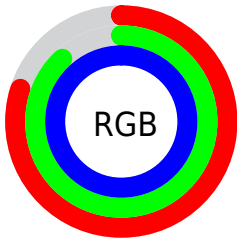
<b>Format</b>	<b>Color</b>
RYB	205, 219, 255
Decimal	13492479
CIELab	88.69, 0.03, -17.16
CIELCh	89, 17.164, 270.094
Yxy	73.5104, 0.2812, 0.2958
Android (android.graphics.Color)	4291682559 (0xFFCDE0FF)
YUV	221.8530, 16.3415, -14.7801
Hunter-Lab	85.7382, -4.5522, -12.6717

# Details

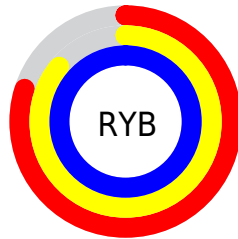
The XYZ color **69.8825, 73.5104, 105.1135** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.2547, 85.6578, 69.9577**, and the grayscale version is **69.2282, 72.8335, 79.3157**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.9587, 38.9372, 58.9938** is the 20% darker color. If you saturate the color by 10%, you get **59.3605, 62.0711, 103.4600**, and if you desaturate by 10%, it is **81.9498, 86.3365, 106.9531**.

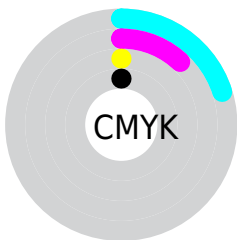
# Distribution



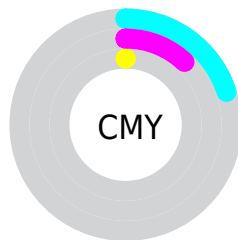
- Red (80%)
- Green (88%)
- Blue (100%)



- 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 69.8825, 73.5104, 105.1135 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 69.8825, 73.5104, 105.1135 by changing the saturation by 10% instead.



■ 69.8825, 73.5104,  
105.1135

■ 69.8825, 73.5104,  
105.1135

449.4102,  
472.7819, 597.8517

■ 51.7100, 54.3934,  
79.9373

118.0684,  
124.2015, 170.2797

■ 36.9973, 38.9163,  
59.1409

148.8124,  
156.5444, 211.1067

■ 25.3791, 26.6946,  
42.3058

184.4777,  
194.0648, 257.9877

■ 16.4899, 17.3440,  
29.0134

225.4296,  
237.1470, 311.3412

■ 9.9645, 10.4801,  
18.8453

272.0335,  
286.1754, 371.5859

■ 5.4375, 5.7184,  
11.3829

324.6546,

■ 2.5436, 2.6746,

341.5344, 439.1401

6.2076

383.6584,  
403.6084, 514.4226

■ 0.9173, 0.9643,  
2.9009

■ 0.0000, 0.0000,  
1.0443

■ 69.8825, 73.5104,  
105.1135

■ 69.8825, 73.5104,  
105.1135

■ 59.3605, 62.0711,  
103.4600

■ 81.9498, 86.3365,  
106.9531

■ 50.3118, 51.9600,  
101.9853

95.0500, 100.0000,  
108.9000

■ 42.6670, 43.1265,  
100.6832

■ 36.3486, 35.5133,  
99.5467

■ 31.2709, 29.0579,  
98.5683

■ 27.3368, 23.6911,  
97.7398

■ 24.4326, 19.3336,  
97.0518

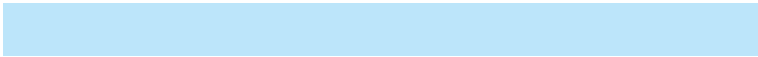
■ 22.3870, 15.8753,  
96.4921

■ 22.3168, 15.7536,  
96.4723

# Harmonies

## Analogous

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



65.9693, 73.5104, 101.5094



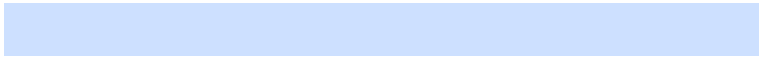
69.8825, 73.5104, 105.1135



73.9438, 73.5104, 101.4656

# Triad

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



69.8825, 73.5104, 105.1135



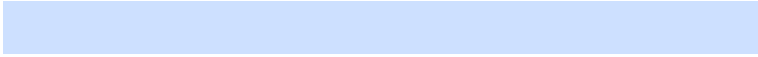
76.9969, 73.5104, 69.1286



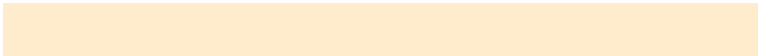
63.1837, 73.5104, 69.1874

# Complementary

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



69.8825, 73.5104, 105.1135



82.2547, 85.6578, 69.9577

# 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.



65.9475, 73.5104, 61.8657



69.8825, 73.5104, 105.1135



73.9203, 73.5104, 61.8342

# Square

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



69.8825, 73.5104, 105.1135



78.1492, 73.5104, 80.0029



69.8564, 73.5104, 59.3096



62.1962, 73.5104, 80.0778



# Rectangle

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



69.8825, 73.5104, 105.1135



76.1654, 73.5104, 95.6003



69.8564, 73.5104, 59.3096



63.9303, 73.5104, 66.2676

# Sweetspot

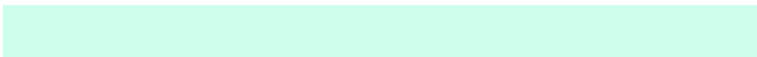
The Sweet Spot groups the original color and five complimentary colors.



69.8845, 73.5133, 105.1139



86.6918, 91.3096, 107.6631



76.0539, 90.5460, 92.6995



18.3685, 19.3483, 23.0164



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.



69.8845, 73.5133, 105.1139



65.0750, 68.3193, 104.3649



66.6990, 64.7086, 103.5823



17.5688, 18.5092, 22.8966



11.7935, 8.4965, 50.4530



1.2497, 1.0301, 4.9462



# Inverse Universe

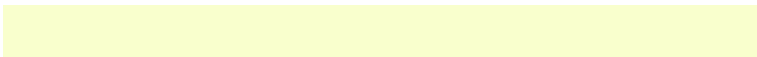
The Inverse Universe completely reimagines the original color for something new.



76.5272, 70.3061, 80.0613



73.0194, 64.7675, 74.3390



85.9063, 96.0984, 71.7805



18.2950, 18.1013, 20.1706



22.7410, 11.5857, 7.2865

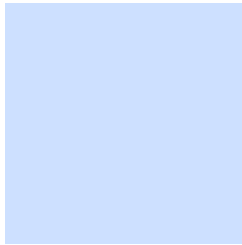


2.2654, 1.1485, 0.9790



# Previews

## White Background



This preview shows how the XYZ color 69.8825, 73.5104, 105.1135 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

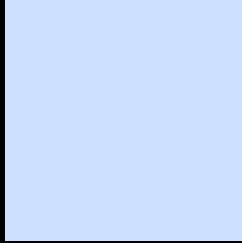
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.8825, 73.5104, 105.1135 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

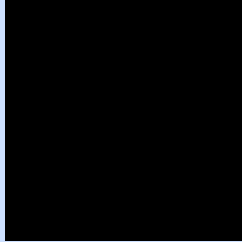
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 69.8825, 73.5104, 105.1135

## Background



This preview shows how black text looks on a background with the XYZ color 69.8825, 73.5104, 105.1135.



This preview shows how white text looks on a background with the XYZ color 69.8825, 73.5104,



# 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

69.8825, 73.5104, 105.1135

### Protanopia

72.2013, 73.5565, 103.3209

### Deuteranopia

74.5414, 73.1766, 104.8035



## Tritanopia

68.1541, 73.6209, 96.2061

# Trichromacy



## Original Color

69.8825, 73.5104, 105.1135

## Protanomaly

71.4512, 73.5444, 104.1955

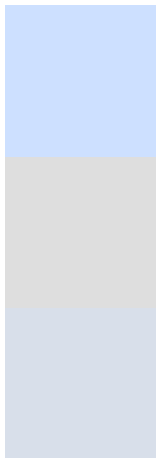
## Deuteranomaly

72.8566, 73.4665, 104.9482

## Tritanomaly

68.7703, 73.4651, 99.3625

# Monochromacy



## Original Color

69.8825, 73.5104, 105.1135

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

69.5579, 73.3148, 88.3270

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.8825, 73.5104, 105.1135 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(205, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 224, 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(205, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 224, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 69.8825, 73.5104, 105.1135 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(205, 224, 255) }
```



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

```
.border{ border-color:rgb(205, 224, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 224,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.8825, 73.5104, 105.1135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 224, 255) }
```

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

```
.background{ background-color: rgb(205,  
224, 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