

Converting Colors

XYZ(70.0645, 75.3112,
105.4515)

Have a look what the booklet for
XYZ(70.0645, 75.3112, 105.4515)
contains.

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Color

**XYZ(69.8808, 75.1243,
105.4251)**

Conversions

Conversions Part 1

Format	Color
Hex	C9E4FF
RGB	201, 228, 255
RGB Percent	79%, 89%, 100%
CMY	0.2118, 0.1059, 0.0000
CMYK	0.21, 0.11, 0.00, 0.00
HSL	210°, 100%, 89%
HSV	210°, 21%, 100%
XYZ	69.8808, 75.1243, 105.4251
YIQ	223.0050, -24.7590, 2.6730

Conversions

Conversions Part 2

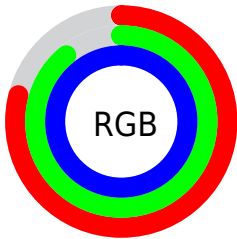
Format	Color
R _Y B	201, 219, 255
Decimal	13231359
CIE Lab	89.45, -3.25, -16.05
CIE LCh	89, 16.374, 258.537
Yxy	75.1243, 0.2790, 0.3000
Android (android.graphics.Color)	4291421439 (0xFFC9E4FF)
YUV	223.0050, 15.7735, -19.2984
Hunter-Lab	86.6743, -7.7650, -11.4446

Details

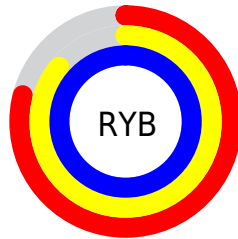
The XYZ color **69.8808, 75.1243, 105.4251** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **79.5259, 80.9630, 66.6960**, and the grayscale version is **70.0486, 73.6966, 80.2556**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.9907, 40.0753, 59.2118** is the 20% darker color. If you saturate the color by 10%, you get **60.2080, 65.1237, 104.0046**, and if you desaturate by 10%, it is **80.9542, 86.2347, 106.9860**.

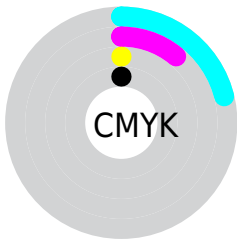
Distribution



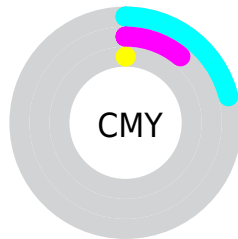
- Red (79%)
- Green (89%)
- Blue (100%)



- Red (79%)
- Yellow (86%)
- 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 69.8808, 75.1243, 105.4251 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 69.8808, 75.1243, 105.4251 by changing the saturation by 10% instead.

■ 69.8808, 75.1243,
105.4251

■ 69.8808, 75.1243,
105.4251

449.4043,
478.3447, 598.8441

■ 51.7086, 55.7147,
80.1969

118.0659,
126.4883, 170.7094

■ 36.9962, 39.9742,
59.3533

148.8096,
159.2115, 211.6026

■ 25.3782, 27.5185,
42.4757

184.4745,
197.1414, 258.5545

■ 16.4893, 17.9630,
29.1456

225.4259,
240.6623, 311.9837

■ 9.9641, 10.9234,
18.9445

272.0293,
290.1588, 372.3087

■ 5.4372, 6.0154,
11.4538

324.6499,

■ 2.5434, 2.8544,

346.0150, 439.9481

6.2549

383.6531,
408.6155, 515.3204

■ 0.9172, 1.0562,
2.9294

■ 0.0000, 0.0000,
1.0587

■ 69.8808, 75.1243,
105.4251

■ 69.8808, 75.1243,
105.4251

■ 60.2080, 65.1237,
104.0046

■ 80.9542, 86.2347,
106.9860

■ 51.8681, 56.1840,
102.7186

■ 93.4798, 98.4837,
108.6901

■ 44.7964, 48.2653,
101.5629

■ 95.0500, 100.0000,
108.9000

■ 38.9202, 41.3213,
100.5322

■ 34.1584, 35.3011,
99.6212

■ 30.4185, 30.1474,
98.8235

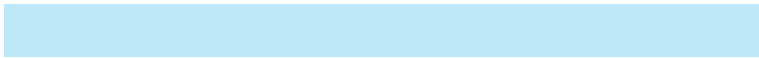
■ 27.5907, 25.7937,
98.1322

■ 25.7061, 22.5322,
97.6020

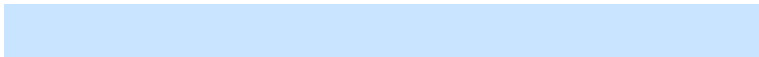
Harmonies

Analogous

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



66.4148, 75.1243, 99.5022



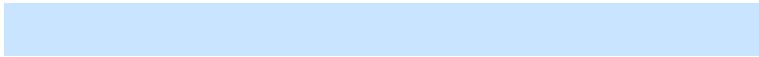
69.8808, 75.1243, 105.4251



73.8849, 75.1243, 104.5914

Triad

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



69.8808, 75.1243, 105.4251



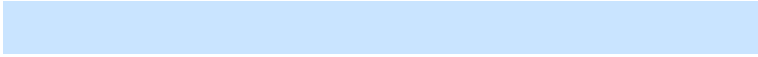
78.9725, 75.1243, 74.9707



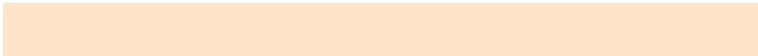
65.7752, 75.1243, 68.0196

Complementary

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



69.8808, 75.1243, 105.4251



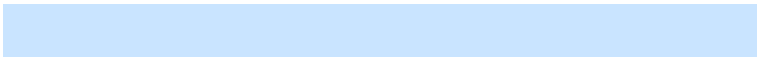
79.5259, 80.9630, 66.6960

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.



68.9780, 75.1243, 62.5822



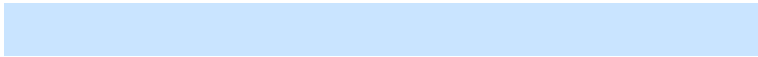
69.8808, 75.1243, 105.4251



76.6358, 75.1243, 66.3285

Square

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



69.8808, 75.1243, 105.4251



79.2364, 75.1243, 86.2686



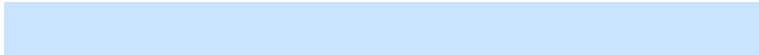
72.9479, 75.1243, 61.9936



64.1044, 75.1243, 77.4838

Rectangle

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



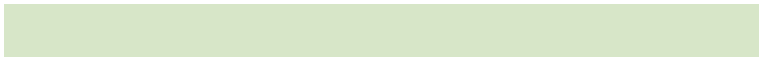
69.8808, 75.1243, 105.4251



76.3199, 75.1243, 100.3309



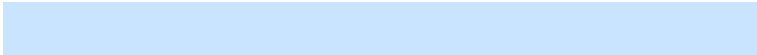
72.9479, 75.1243, 61.9936



66.7027, 75.1243, 65.6999

Sweetspot

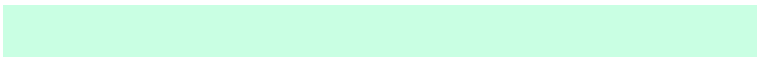
The Sweet Spot groups the original color and five complimentary colors.



69.8828, 75.1273, 105.4255



87.2516, 92.4292, 107.8497



73.7273, 89.4896, 86.1339



18.5007, 19.6127, 23.0605



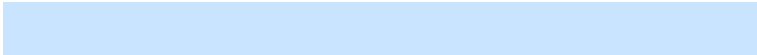
0.0000, 0.0000, 0.0000



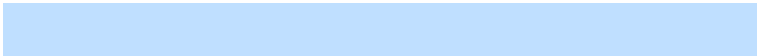
20.3446, 21.4041, 23.3091

Same Dimension

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



69.8828, 75.1273, 105.4255



66.0209, 71.1730, 104.8658



63.2359, 61.8334, 103.2099



17.7535, 18.8786, 22.9582



13.5813, 12.0722, 51.0489



1.4316, 1.3938, 5.0069

Inverse Universe

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



76.1315, 68.6363, 82.6377



73.2620, 63.9654, 78.3884



87.2565, 96.4243, 69.2729



18.3882, 18.1386, 20.6616



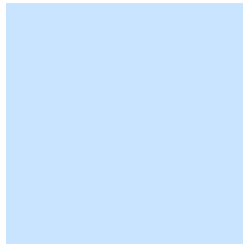
23.6434, 11.9467, 12.0386



2.3572, 1.1853, 1.4624

Previews

White Background



This preview shows how the XYZ color 69.8808, 75.1243, 105.4251 looks on a white background.

Color Contrast Check

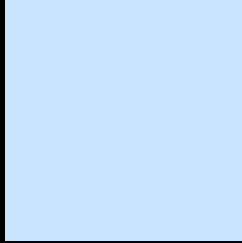
Large Text (above 18pt) WCAG AA × Fail

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 69.8808, 75.1243, 105.4251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

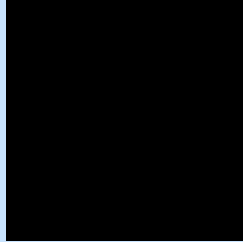
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

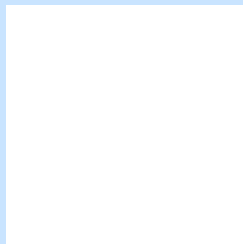
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.8808, 75.1243, 105.4251

Background



This preview shows how black text looks on a background with the XYZ color 69.8808, 75.1243, 105.4251.

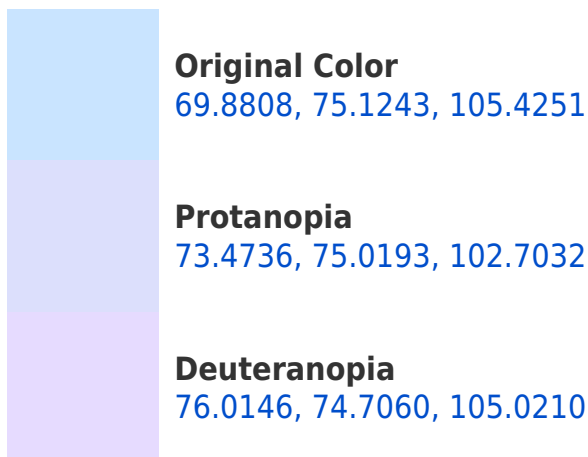


This preview shows how white text looks on a background with the XYZ color 69.8808, 75.1243,

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

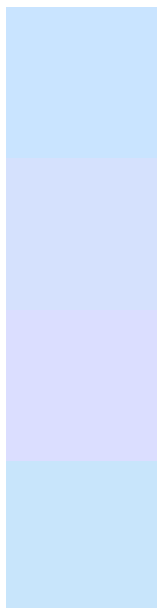




Tritanopia

68.7820, 75.0953, 99.6766

Trichromacy



Original Color

69.8808, 75.1243, 105.4251

Protanomaly

72.0954, 75.0884, 103.6222

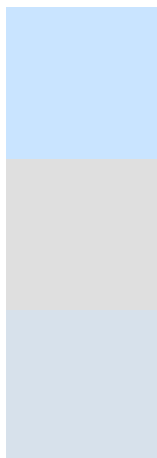
Deuteranomaly

73.3847, 74.5226, 105.1243

Tritanomaly

69.2513, 75.2830, 102.1479

Monochromacy



Original Color

69.8808, 75.1243, 105.4251

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.9449, 74.2957, 89.2513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8808, 75.1243, 105.4251 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, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(201, 228, 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, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 228, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.8808, 75.1243, 105.4251 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, 228, 255) }
```


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

```
.border{ border-color:rgb(201, 228, 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, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(201, 228,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8808, 75.1243, 105.4251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 228, 255) }
```

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

```
.background{ background-color: rgb(201,  
228, 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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