

Converting Colors

XYZ(77.1089, 74.0991,
146.2092)

Have a look what the booklet for
XYZ(77.1089, 74.0991, 146.2092)
contains.

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Color

**XYZ(69.1338, 70.7727,
104.6245)**

Conversions

Conversions Part 1

Format	Color
Hex	D0DAFF
RGB	208, 218, 255
RGB Percent	82%, 85%, 100%
CMY	0.1843, 0.1451, 0.0000
CMYK	0.18, 0.15, 0.00, 0.00
HSL	227°, 100%, 91%
HSV	227°, 18%, 100%
XYZ	69.1338, 70.7727, 104.6245
YIQ	219.2280, -17.8370, 9.3870

Conversions

Conversions Part 2

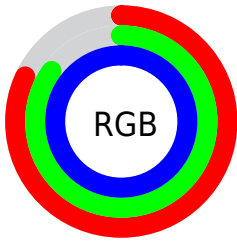
Format	Color
R _{YB}	208, 216, 255
Decimal	13687551
CIE Lab	87.37, 4.08, -19.13
CIE LCh	87, 19.557, 282.052
Yxy	70.7727, 0.2827, 0.2894
Android (android.graphics.Color)	4291877631 (0xFFD0DAFF)
YUV	219.2280, 17.6356, -9.8470
Hunter-Lab	84.1265, -0.5330, -14.8478

Details

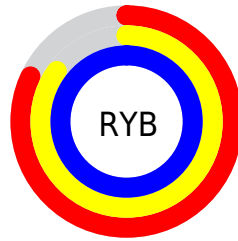
The XYZ color **69.1338, 70.7727, 104.6245** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **85.2772, 91.1177, 72.7690**, and the grayscale version is **67.3821, 70.8912, 77.2006**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.4271, 37.0439, 58.6564** is the 20% darker color. If you saturate the color by 10%, you get **57.6388, 57.5833, 102.6845**, and if you desaturate by 10%, it is **82.4157, 85.8227, 106.8294**.

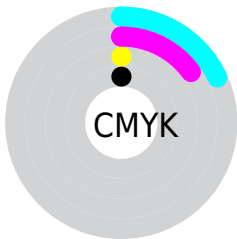
Distribution



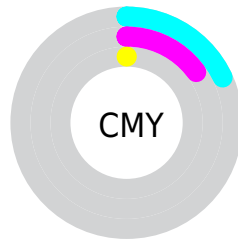
- Red (82%)
- Green (85%)
- Blue (100%)



- Red (82%)
- Yellow (85%)
- Blue (100%)



- Cyan (18%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.1338, 70.7727, 104.6245 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 69.1338, 70.7727, 104.6245 by changing the saturation by 10% instead.

■ 69.1338, 70.7727,
104.6245

■ 69.1338, 70.7727,
104.6245

446.8167,
463.2585, 596.2925

■ 51.0977, 52.1567,
79.5299

117.0057,
120.3100, 169.6050

■ 36.5077, 37.1300,
58.8077

147.5722,
152.0002, 210.3280

■ 24.9985, 25.3082,
42.0393

183.0462,
188.8171, 257.0976

■ 16.2047, 16.3068,
28.8063

223.7932,
231.1453, 310.3322

■ 9.7609, 9.7415,
18.6900

270.1783,
279.3692, 370.4505

■ 5.3017, 5.2279,
11.2720

322.5671,

■ 2.4619, 2.3816,

333.8731, 437.8709

6.1336

381.3247,
395.0414, 513.0121

■ 0.8761, 0.8164,
2.8564

■ 0.0000, 0.0000,
1.0218

■ 69.1338, 70.7727,
104.6245

■ 69.1338, 70.7727,
104.6245

■ 57.6388, 57.5833,
102.6845

■ 82.4157, 85.8227,
106.8294

■ 47.8474, 46.1730,
100.9982

95.0500, 100.0000,
108.9000

■ 39.6784, 36.4662,
99.5551

■ 33.0415, 28.3790,
98.3440

■ 27.8370, 21.8196,
97.3522

■ 23.9529, 16.6868,
96.5662

■ 21.2596, 12.8657,
95.9706

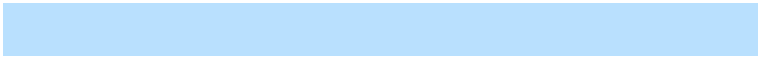
■ 19.5841, 10.2139,
95.5470

■ 19.3818, 9.8836,
95.4939

Harmonies

Analogous

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



64.5747, 70.7727, 103.7988



69.1338, 70.7727, 104.6245



73.3762, 70.7727, 97.4715

Triad

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



69.1338, 70.7727, 104.6245



74.0609, 70.7727, 61.2867



59.1879, 70.7727, 69.5040

Complementary

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



69.1338, 70.7727, 104.6245



85.2772, 91.1177, 72.7690

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.



61.5073, 70.7727, 59.7167



69.1338, 70.7727, 104.6245



70.0338, 70.7727, 55.3585

Square

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



69.1338, 70.7727, 104.6245



76.3066, 70.7727, 71.8831



65.4348, 70.7727, 54.8186



58.9717, 70.7727, 82.4785

Rectangle

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



69.1338, 70.7727, 104.6245



75.3990, 70.7727, 89.5699



65.4348, 70.7727, 54.8186



59.7424, 70.7727, 65.7718

Sweetspot

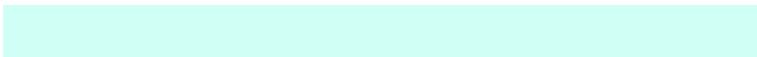
The Sweet Spot groups the original color and five complimentary colors.



69.1358, 70.7755, 104.6249



85.9209, 89.7678, 107.4061



78.2267, 91.5117, 99.7805



18.1867, 18.9847, 22.9558



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.



69.1358, 70.7755, 104.6249



64.8311, 65.8572, 103.9025



70.5223, 67.7552, 103.9689



17.3163, 18.0042, 22.8124



10.2142, 5.3380, 49.9266



1.0696, 0.6699, 4.8862

Inverse Universe

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



76.4520, 71.4352, 76.0918



73.3782, 66.7559, 70.5403



83.6551, 94.8956, 73.5837



18.1675, 18.0503, 19.4994



21.9439, 11.2668, 3.0889



2.1745, 1.1122, 0.5003

Previews

White Background



This preview shows how the XYZ color 69.1338, 70.7727, 104.6245 looks on a white background.

Color Contrast Check

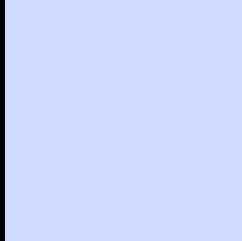
Large Text (above 18pt) WCAG AA × Fail

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 69.1338, 70.7727, 104.6245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

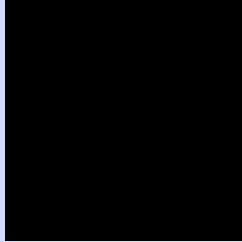
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.1338, 70.7727, 104.6245

Background



This preview shows how black text looks on a background with the XYZ color 69.1338, 70.7727, 104.6245.

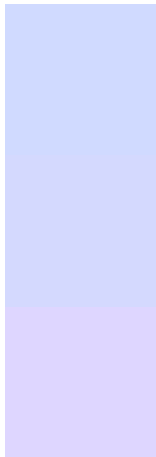


This preview shows how white text looks on a background with the XYZ color 69.1338, 70.7727,

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

69.1338, 70.7727, 104.6245

Protanopia

69.8536, 70.7785, 103.7459

Deuteranopia

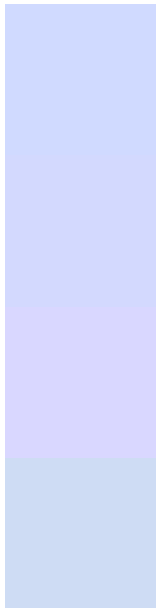
72.2208, 70.8427, 104.4753



Tritanopia

66.4659, 70.8651, 91.0641

Trichromacy



Original Color

69.1338, 70.7727, 104.6245

Protanomaly

69.5662, 70.6303, 103.7324

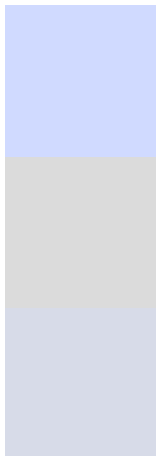
Deuteranomaly

70.9657, 70.5726, 104.4893

Tritanomaly

67.3759, 70.8399, 95.7103

Monochromacy



Original Color

69.1338, 70.7727, 104.6245

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.9213, 70.9363, 86.4562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.1338, 70.7727, 104.6245 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(208, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(208, 218, 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(208, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 218, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.1338, 70.7727, 104.6245 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(208, 218, 255) }
```


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

```
.border{ border-color:rgb(208, 218, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(208, 218,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.1338, 70.7727, 104.6245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 218, 255) }
```

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

```
.background{ background-color: rgb(208,  
218, 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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