

Converting Colors

XYZ(63.1596, 70.4698,
110.4227)

Have a look what the booklet for
XYZ(63.1596, 70.4698, 110.4227)
contains.

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Color

**XYZ(61.9885, 69.8411,
104.8213)**

Conversions

Conversions Part 1

Format	Color
Hex	ACE1FF
RGB	172, 225, 255
RGB Percent	67%, 88%, 100%
CMY	0.3255, 0.1176, 0.0000
CMYK	0.33, 0.12, 0.00, 0.00
HSL	202°, 100%, 84%
HSV	202°, 33%, 100%
XYZ	61.9885, 69.8411, 104.8213
YIQ	212.5730, -41.2180, -1.9060

Conversions

Conversions Part 2

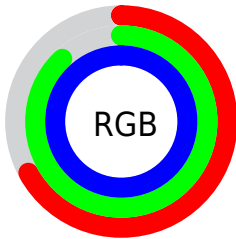
Format	Color
R _Y B	172, 204, 255
Decimal	11330047
CIE Lab	86.92, -10.01, -20.04
CIE LCh	87, 22.397, 243.450
Yxy	69.8411, 0.2619, 0.2951
Android (android.graphics.Color)	4289520127 (0xFFACE1FF)
YUV	212.5730, 20.9165, -35.5825
Hunter-Lab	83.5710, -13.8475, -15.8665

Details

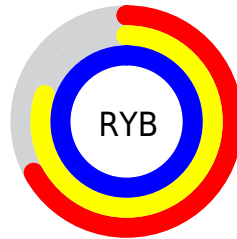
The XYZ color **61.9885, 69.8411, 104.8213** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69.8072, 66.4796, 48.1843**, and the grayscale version is **62.8470, 66.1200, 72.0047**.

A 20% lighter version of the original color is **86.1231, 95.3980, 108.4822**, and **31.9039, 36.6086, 58.8107** is the 20% darker color. If you saturate the color by 10%, you get **54.4954, 62.3805, 103.7762**, and if you desaturate by 10%, it is **70.6937, 78.1295, 105.9623**.

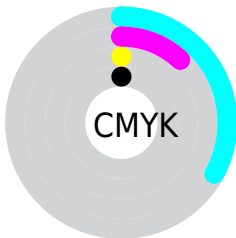
Distribution



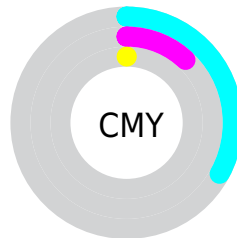
- Red (67%)
- Green (88%)
- Blue (100%)



- Red (67%)
- Yellow (80%)
- Blue (100%)



- Cyan (33%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.9885, 69.8411, 104.8213 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 61.9885, 69.8411, 104.8213 by changing the saturation by 10% instead.

61.9885, 69.8411,
104.8213

61.9885, 69.8411,
104.8213

421.6074,
459.9919, 596.9203

45.2790, 51.3970,
79.6938

106.7989,
118.9821, 169.8766

31.8794, 36.5247,
58.9418

135.6306,
150.4478, 210.6415

21.4245, 24.8397,
42.1465

169.2336,
187.0229, 257.4559

13.5489, 15.9576,
28.8896

207.9734,
229.0917, 310.7384

7.8872, 9.4942,
18.7525

252.2153,
277.0386, 370.9076

4.0740, 5.0649,
11.3166

302.3247,

1.7441, 2.2854,

331.2480, 438.3819

6.1633

358.6669,
392.1043, 513.5800

■ 0.4836, 0.7660,
2.8743

■ 0.0000, 0.0000,
1.0308

■ 61.9885, 69.8411,
104.8213

■ 61.9885, 69.8411,
104.8213

■ 54.4954, 62.3805,
103.7762

■ 70.6937, 78.1295,
105.9623

■ 48.1450, 55.7038,
102.8221

■ 80.6639, 87.2712,
107.2013

■ 42.8690, 49.7744,
101.9557

■ 91.9559, 97.2998,
108.5419

■ 38.5892, 44.5486,
101.1726

■ 95.0500, 100.0000,
108.9000

■ 35.2154, 39.9765,
100.4679

■ 32.6387, 35.9986,
99.8359

■ 31.1188, 33.3575,
99.4063

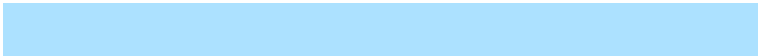
Harmonies

Analogous

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



58.3413, 69.8411, 93.0471



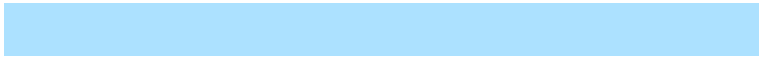
61.9885, 69.8411, 104.8213



66.9888, 69.8411, 108.5612

Triad

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



61.9885, 69.8411, 104.8213



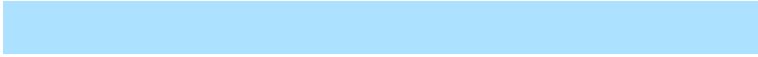
76.9323, 69.8411, 74.3252



60.9926, 69.8411, 54.4610

Complementary

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



61.9885, 69.8411, 104.8213



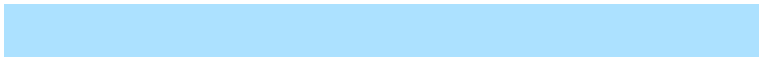
69.8072, 66.4796, 48.1843

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.



65.7786, 69.8411, 50.7716



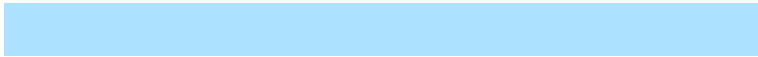
61.9885, 69.8411, 104.8213



75.1292, 69.8411, 61.2516

Square

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



61.9885, 69.8411, 104.8213



75.7883, 69.8411, 89.6554



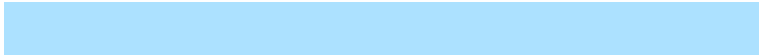
70.9781, 69.8411, 53.0856



57.7879, 69.8411, 63.8870

Rectangle

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



61.9885, 69.8411, 104.8213



70.4640, 69.8411, 105.6386



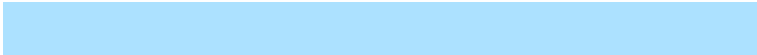
70.9781, 69.8411, 53.0856



62.4605, 69.8411, 52.5693

Sweetspot

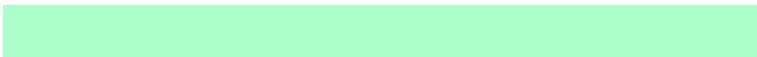
The Sweet Spot groups the original color and five complimentary colors.



61.9904, 69.8438, 104.8217



83.4130, 89.7406, 107.5331



63.3229, 84.5106, 68.2654



17.5269, 18.9151, 22.9772



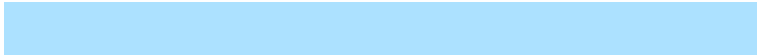
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



61.9904, 69.8438, 104.8217



57.0199, 64.9362, 104.1364



52.2989, 50.4607, 101.5912



17.9704, 19.3124, 23.0305



16.4070, 17.7236, 51.9908



1.7013, 1.9332, 5.0968

Inverse Universe

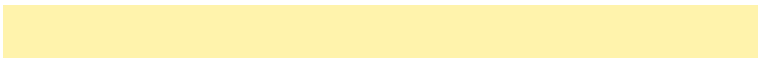
The Inverse Universe completely reimagines the original color for something new.



69.5844, 56.2030, 78.4179



65.8469, 50.0037, 73.2387



80.6030, 88.0712, 51.7829



18.4977, 18.1824, 21.2381



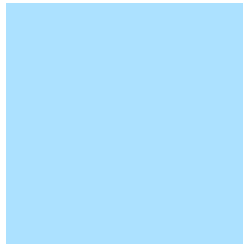
25.0697, 12.5172, 19.5493



2.4933, 1.2397, 2.1793

Previews

White Background



This preview shows how the XYZ color 61.9885, 69.8411, 104.8213 looks on a white background.

Color Contrast Check

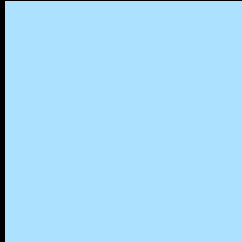
Large Text (above 18pt) WCAG AA × Fail

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 61.9885, 69.8411, 104.8213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

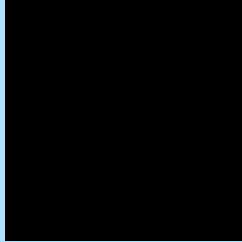
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 61.9885, 69.8411, 104.8213

Background



This preview shows how black text looks on a background with the XYZ color 61.9885, 69.8411, 104.8213.



This preview shows how white text looks on a background with the XYZ color 61.9885, 69.8411,

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

61.9885, 69.8411, 104.8213

Protanopia

68.2633, 69.2893, 99.3988

Deuteranopia

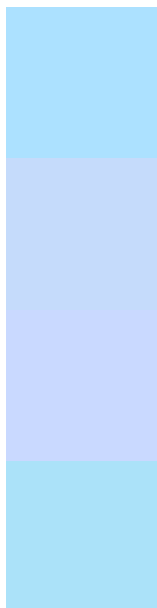
70.5069, 69.2124, 104.2510



Tritanopia

60.5281, 70.0768, 96.7222

Trichromacy



Original Color

61.9885, 69.8411, 104.8213

Protanomaly

65.7701, 69.4984, 101.2149

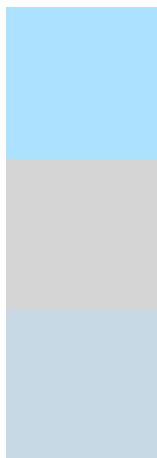
Deuteranomaly

66.9502, 69.2632, 104.4482

Tritanomaly

61.0898, 69.8902, 99.8929

Monochromacy



Original Color

61.9885, 69.8411, 104.8213

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

62.1051, 67.2329, 83.1027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.9885, 69.8411, 104.8213 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(172, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 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(172, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 225, 255) }
```

Border

The CSS property to change the border of an element to XYZ 61.9885, 69.8411, 104.8213 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(172, 225, 255) }
```


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

```
.border{ border-color:rgb(172, 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(172, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 225,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 61.9885, 69.8411, 104.8213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 225, 255) }
```

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

```
.background{ background-color: rgb(172,  
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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