

Converting Colors

XYZ(85.1741, 85.4688,
199.7932)

Have a look what the booklet for
XYZ(85.1741, 85.4688, 199.7932)
contains.

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Color

**XYZ(67.5069, 78.5367,
106.2089)**

Conversions

Conversions Part 1

Format	Color
Hex	B3EFFF
RGB	179, 239, 255
RGB Percent	70%, 94%, 100%
CMY	0.2980, 0.0627, 0.0000
CMYK	0.30, 0.06, 0.00, 0.00
HSL	193°, 100%, 85%
HSV	193°, 30%, 100%
XYZ	67.5069, 78.5367, 106.2089
YIQ	222.8840, -40.8960, -7.7440

Conversions

Conversions Part 2

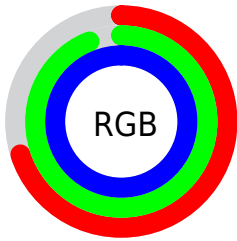
Format	Color
RYB	179, 213, 255
Decimal	11792383
CIELab	91.02, -15.20, -13.82
CIElCh	91, 20.549, 222.280
Yxy	78.5367, 0.2676, 0.3113
Android (android.graphics.Color)	4289982463 (0xFFB3EFFF)
YUV	222.8840, 15.8332, -38.4863
Hunter-Lab	88.6209, -19.1145, -9.0222

Details

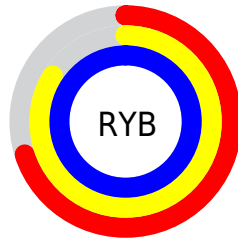
The XYZ color **67.5069, 78.5367, 106.2089** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.8919, 63.5446, 51.2840**, and the grayscale version is **69.9707, 73.6146, 80.1663**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **35.4387, 42.2293, 59.7093** is the 20% darker color. If you saturate the color by 10%, you get **60.6018, 72.6807, 105.4425**, and if you desaturate by 10%, it is **75.5527, 85.0539, 107.0427**.

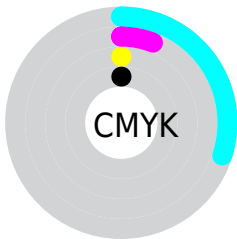
Distribution



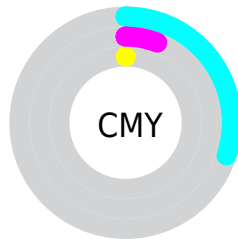
- Red (70%)
- Green (94%)
- Blue (100%)



- Red (70%)
- Yellow (84%)
- Blue (100%)



- Cyan (30%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.5069, 78.5367, 106.2089 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 67.5069, 78.5367, 106.2089 by changing the saturation by 10% instead.

67.5069, 78.5367,
106.2089

67.5069, 78.5367,
106.2089

441.1511,
489.9876, 601.3367

49.7689, 58.5150,
80.8502

114.6922,
131.3064, 171.7898

35.4468, 42.2228,
59.8880

144.8703,
164.8232, 212.8491

24.1754, 29.2758,
42.9036

179.9257,
203.6071, 259.9790

15.5892, 19.2895,
29.4787

220.2239,
248.0426, 313.5981

9.3230, 11.8797,
19.1945

266.1302,
298.5140, 374.1248

5.0112, 6.6618,
11.6327

318.0099,

2.2887, 3.2515,

355.4057, 441.9778

6.3746

376.2284,
419.1021, 517.5756

■ 0.7889, 1.2644,
3.0017

■ 0.0000, 0.1134,
1.0955

■ 67.5069, 78.5367,
106.2089

■ 67.5069, 78.5367,
106.2089

■ 60.6018, 72.6807,
105.4425

■ 75.5527, 85.0539,
107.0427

■ 54.7704, 67.4450,
104.7392

■ 84.7887, 92.2525,
107.9454

■ 49.9485, 62.7978,
104.0964

95.0500, 100.0000,
108.9000

■ 46.0620, 58.7003,
103.5103

■ 43.0264, 55.1083,
102.9770

■ 40.7408, 51.9692,
102.4915

■ 39.0443, 49.1993,
102.0463

■ 39.0133, 49.1466,
102.0378

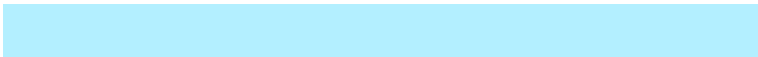
Harmonies

Analogous

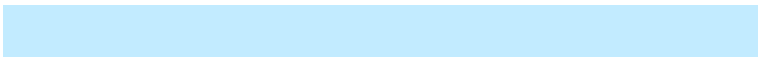
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.3177, 78.5367, 91.7346



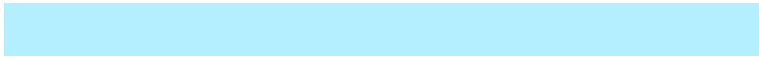
67.5069, 78.5367, 106.2089



71.6516, 78.5367, 115.7154

Triad

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



67.5069, 78.5367, 106.2089



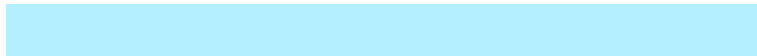
84.5578, 78.5367, 94.5064



72.5451, 78.5367, 60.5254

Complementary

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



67.5069, 78.5367, 106.2089



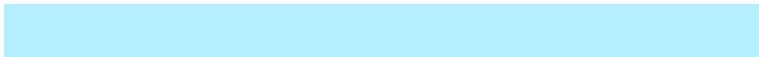
68.8919, 63.5446, 51.2840

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.



77.7243, 78.5367, 61.0844



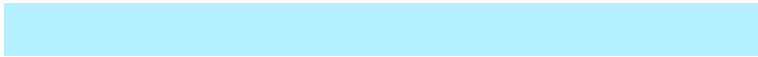
67.5069, 78.5367, 106.2089



84.8243, 78.5367, 79.5795

Square

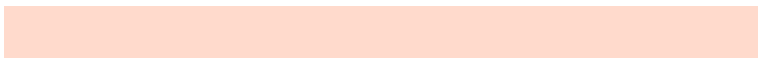
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.5069, 78.5367, 106.2089



81.5609, 78.5367, 108.4395



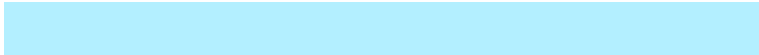
82.2731, 78.5367, 67.6972



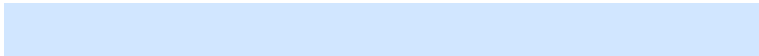
68.1349, 78.5367, 66.0698

Rectangle

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



67.5069, 78.5367, 106.2089



75.0444, 78.5367, 117.3536



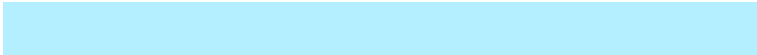
82.2731, 78.5367, 67.6972



74.2506, 78.5367, 60.0255

Sweetspot

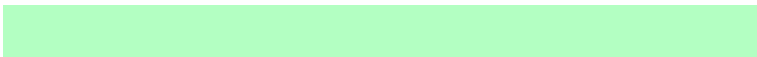
The Sweet Spot groups the original color and five complimentary colors.



67.5090, 78.5397, 106.2093



85.5833, 92.8608, 108.0210



64.1116, 85.0083, 64.1876



18.0113, 19.6407, 23.0917



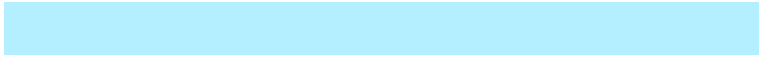
0.0000, 0.0000, 0.0000



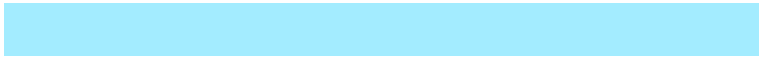
20.3446, 21.4041, 23.3091

Same Dimension

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



67.5090, 78.5397, 106.2093



63.0981, 74.8334, 105.7264



57.7154, 58.9525, 102.9448



18.2112, 19.7941, 23.1108



20.4975, 25.9046, 53.3543



2.0732, 2.6770, 5.2207

Inverse Universe

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



72.9414, 59.7338, 89.3502



69.4663, 53.5629, 85.7894



78.2903, 82.3413, 54.4167



18.6193, 18.2310, 21.8782



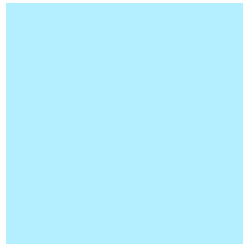
27.1344, 13.3431, 30.4219



2.6810, 1.3148, 3.1678

Previews

White Background



This preview shows how the XYZ color 67.5069, 78.5367, 106.2089 looks on a white background.

Color Contrast Check

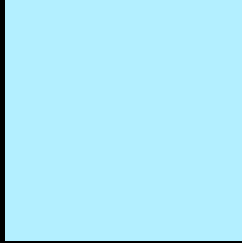
Large Text (above 18pt) WCAG AA × Fail

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 67.5069, 78.5367, 106.2089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

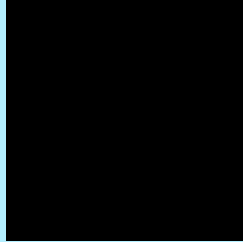
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.5069, 78.5367, 106.2089

Background



This preview shows how black text looks on a background with the XYZ color 67.5069, 78.5367, 106.2089.

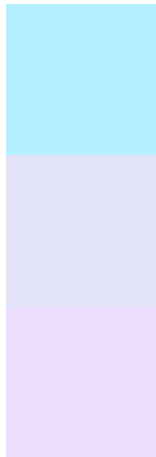


This preview shows how white text looks on a background with the XYZ color 67.5069, 78.5367,

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

67.5069, 78.5367, 106.2089

Protanopia

76.0909, 78.0464, 99.8610

Deuteranopia

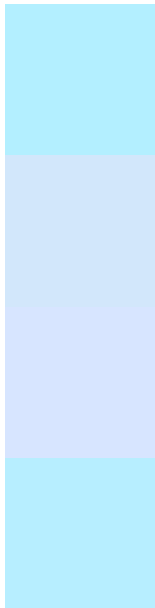
79.0297, 77.8282, 105.4648



Tritanopia

68.6321, 78.6834, 106.1779

Trichromacy



Original Color

67.5069, 78.5367, 106.2089

Protanomaly

72.5668, 77.8185, 102.4626

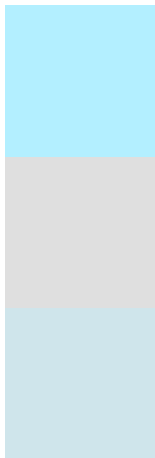
Deuteranomaly

74.0936, 77.7057, 105.7013

Tritanomaly

68.1530, 78.4364, 106.1554

Monochromacy



Original Color

67.5069, 78.5367, 106.2089

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

68.7468, 75.3022, 89.5087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.5069, 78.5367, 106.2089 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(179, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 239, 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(179, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 239, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.5069, 78.5367, 106.2089 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(179, 239, 255) }
```


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

```
.border{ border-color:rgb(179, 239, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 239,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.5069, 78.5367, 106.2089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 239, 255) }
```

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

```
.background{ background-color: rgb(179,  
239, 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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