

Converting Colors

XYZ(67.4952, 75.9960,
105.7191)

Have a look what the booklet for
XYZ(67.4952, 75.9960, 105.7191)
contains.

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Color

**XYZ(67.4386, 75.9369,
105.7106)**

Conversions

Conversions Part 1

Format	Color
Hex	BAE9FF
RGB	186, 233, 255
RGB Percent	73%, 91%, 100%
CMY	0.2706, 0.0863, 0.0000
CMYK	0.27, 0.09, 0.00, 0.00
HSL	199°, 100%, 86%
HSV	199°, 27%, 100%
XYZ	67.4386, 75.9369, 105.7106
YIQ	221.4550, -35.0740, -3.1220

Conversions

Conversions Part 2

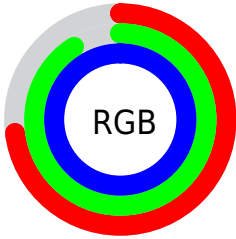
Format	Color
R _Y B	186, 214, 255
Decimal	12249599
CIE Lab	89.83, -10.21, -15.57
CIE LCh	90, 18.620, 236.759
Yxy	75.9369, 0.2707, 0.3049
Android (android.graphics.Color)	4290439679 (0xFFBAE9FF)
YUV	221.4550, 16.5377, -31.0940
Hunter-Lab	87.1418, -14.3578, -10.9247

Details

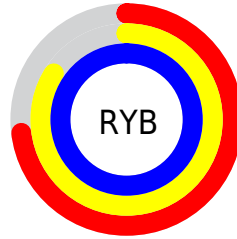
The XYZ color **67.4386, 75.9369, 105.7106** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.6589, 69.9165, 56.1219**, and the grayscale version is **68.9537, 72.5447, 79.0012**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **35.2753, 40.3468, 59.3546** is the 20% darker color. If you saturate the color by 10%, you get **59.5395, 68.5286, 104.6970**, and if you desaturate by 10%, it is **76.5533, 84.1331, 106.8123**.

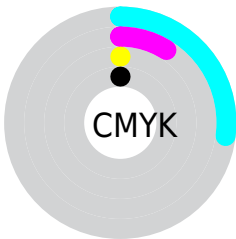
Distribution



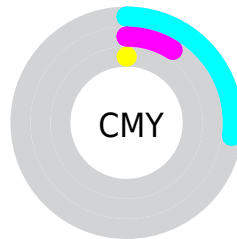
- Red (73%)
- Green (91%)
- Blue (100%)



- Red (73%)
- Yellow (84%)
- Blue (100%)



- Cyan (27%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.4386, 75.9369, 105.7106 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 67.4386, 75.9369, 105.7106 by changing the saturation by 10% instead.

67.4386, 75.9369,
105.7106

67.4386, 75.9369,
105.7106

440.9123,
481.1317, 599.7527

49.7132, 56.3808,
80.4348

114.5950,
127.6377, 171.1030

35.4024, 40.5083,
59.5480

144.7566,
160.5512, 212.0568

24.1410, 27.9351,
42.6315

179.7944,
198.6859, 259.0736

15.5635, 18.2767,
29.2668

220.0736,
242.4262, 312.5720

9.3047, 11.1488,
19.0354

265.9597,
292.1565, 372.9706

4.9992, 6.1670,
11.5188

317.8179,

2.2815, 2.9469,

348.2613, 440.6879

6.2984

376.0137,
411.1249, 516.1424

■ 0.7852, 1.1041,
2.9557

■ 0.0000, 0.0000,
1.0720

■ 67.4386, 75.9369,
105.7106

■ 67.4386, 75.9369,
105.7106

■ 59.5395, 68.5286,
104.6970

■ 76.5533, 84.1331,
106.8123

■ 52.7897, 61.8661,
103.7668

■ 86.9331, 93.1390,
108.0035

■ 47.1253, 55.9164,
102.9169

95.0500, 100.0000,
108.9000

■ 42.4739, 50.6398,
102.1436

■ 38.7528, 45.9916,
101.4425

■ 35.8655, 41.9197,
100.8087

■ 33.6889, 38.3584,
100.2361

■ 33.1297, 37.3795,
100.0766

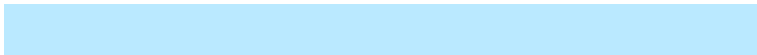
Harmonies

Analogous

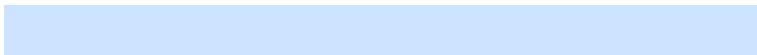
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.5682, 75.9369, 94.6103



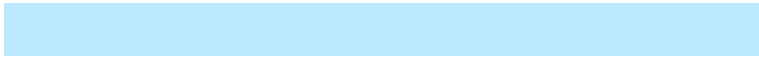
67.4386, 75.9369, 105.7106



71.6772, 75.9369, 110.6157

Triad

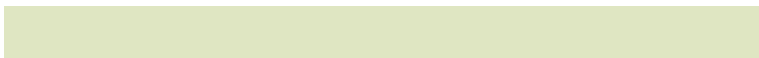
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.4386, 75.9369, 105.7106



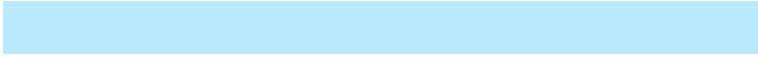
81.3642, 75.9369, 84.1217



68.2692, 75.9369, 62.0781

Complementary

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



67.4386, 75.9369, 105.7106



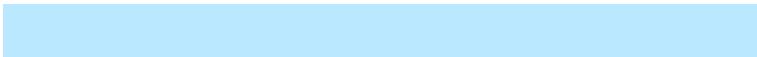
72.6589, 69.9165, 56.1219

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.



72.6766, 75.9369, 59.8983



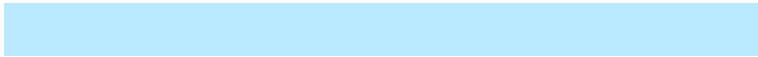
67.4386, 75.9369, 105.7106



80.3585, 75.9369, 71.8016

Square

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



67.4386, 75.9369, 105.7106



79.8229, 75.9369, 97.3479



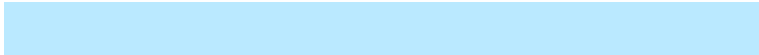
77.1297, 75.9369, 63.2677



65.0333, 75.9369, 69.5691

Rectangle

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



67.4386, 75.9369, 105.7106



74.7543, 75.9369, 109.3643



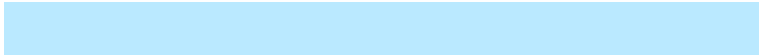
77.1297, 75.9369, 63.2677



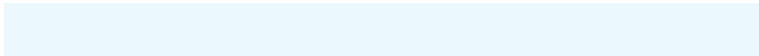
69.6572, 75.9369, 60.7367

Sweetspot

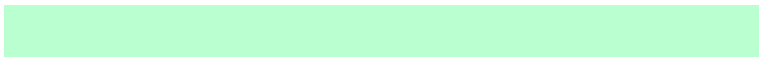
The Sweet Spot groups the original color and five complimentary colors.



67.4407, 75.9399, 105.7111



85.8993, 92.2548, 107.8873



67.3775, 86.5063, 72.7255



18.0379, 19.4475, 23.0530



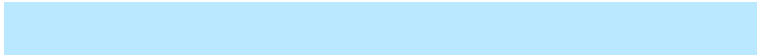
0.0000, 0.0000, 0.0000



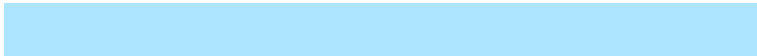
20.3446, 21.4041, 23.3091

Same Dimension

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



67.4407, 75.9399, 105.7111



63.3878, 72.1811, 105.1992



58.6441, 58.3467, 102.7789



18.0379, 19.4475, 23.0530



17.4516, 19.8128, 52.3390



1.7978, 2.1263, 5.1289

Inverse Universe

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



73.5082, 62.2626, 85.2377



70.4014, 56.9572, 81.4022



81.9599, 88.5185, 59.2222



18.5318, 18.1960, 21.4176



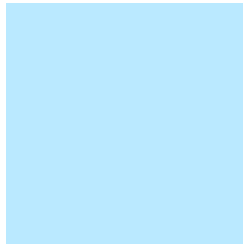
25.5970, 12.7281, 22.3258



2.5421, 1.2592, 2.4359

Previews

White Background



This preview shows how the XYZ color 67.4386, 75.9369, 105.7106 looks on a white background.

Color Contrast Check

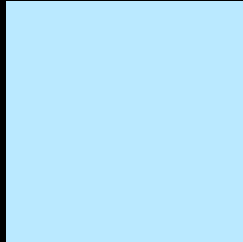
Large Text (above 18pt) WCAG AA × Fail

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 67.4386, 75.9369, 105.7106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

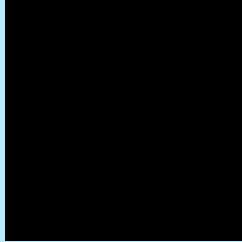
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.4386, 75.9369, 105.7106

Background



This preview shows how black text looks on a background with the XYZ color 67.4386, 75.9369, 105.7106.

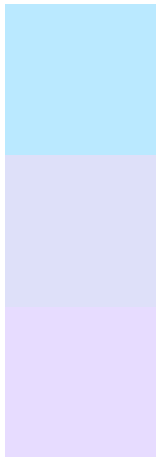


This preview shows how white text looks on a background with the XYZ color 67.4386, 75.9369,

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

67.4386, 75.9369, 105.7106

Protanopia

73.8787, 75.6805, 100.3365

Deuteranopia

76.5982, 75.3953, 105.1233



Tritanopia

66.7172, 75.6204, 103.1753

Trichromacy



Original Color

67.4386, 75.9369, 105.7106

Protanomaly

71.1762, 75.4585, 102.0804

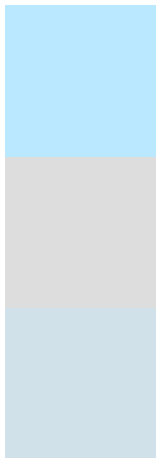
Deuteranomaly

72.9995, 75.5175, 105.3366

Tritanomaly

66.8761, 75.6840, 104.0122

Monochromacy



Original Color

67.4386, 75.9369, 105.7106

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

67.6456, 73.1435, 87.6436

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.4386, 75.9369, 105.7106 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(186, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 233, 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(186, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 233, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.4386, 75.9369, 105.7106 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(186, 233, 255) }
```


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

```
.border{ border-color:rgb(186, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 233,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.4386, 75.9369, 105.7106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 233, 255) }
```

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

```
.background{ background-color: rgb(186,  
233, 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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