

Converting Colors

XYZ(69.1615, 86.8308, 99.6988)

Have a look what the booklet for
XYZ(69.1615, 86.8308, 99.6988)
contains.

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Color

**XYZ(69.0360, 86.7705,
99.4960)**

Conversions

Conversions Part 1

Format	Color
Hex	ABFFF5
RGB	171, 255, 245
RGB Percent	67%, 100%, 96%
CMY	0.3294, 0.0000, 0.0392
CMYK	0.33, 0.00, 0.04, 0.00
HSL	173°, 100%, 84%
HSV	173°, 33%, 100%
XYZ	69.0360, 86.7705, 99.4960
YIQ	228.7440, -46.8540, -20.9180

Conversions

Conversions Part 2

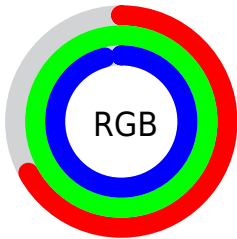
Format	Color
RYB	171, 216, 255
Decimal	11272181
CIELab	94.64, -27.45, -3.32
CIELCh	95, 27.649, 186.894
Yxy	86.7705, 0.2704, 0.3399
Android (android.graphics.Color)	4289462261 (0xFFABFFF5)
YUV	228.7440, 8.0142, -50.6415
Hunter-Lab	93.1507, -30.7235, 1.8767

Details

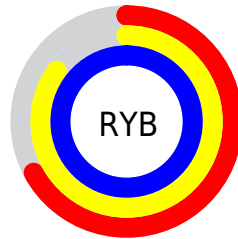
The XYZ color **69.0360, 86.7705, 99.4960** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **64.1442, 53.7233, 50.7057**, and the grayscale version is **74.2557, 78.1228, 85.0757**.

A 20% lighter version of the original color is **86.1231, 95.3980, 108.4822**, and **36.4496, 47.7071, 55.4314** is the 20% darker color. If you saturate the color by 10%, you get **63.5479, 83.9944, 96.8412**, and if you desaturate by 10%, it is **75.6051, 90.1030, 102.2439**.

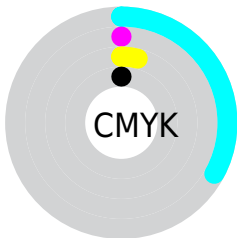
Distribution



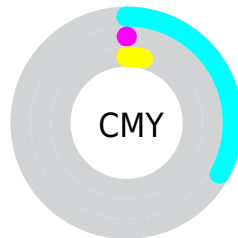
- Red (67%)
- Green (100%)
- Blue (96%)



- Red (67%)
- Yellow (85%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)



- Cyan (33%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.0360, 86.7705, 99.4960 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 69.0360, 86.7705, 99.4960 by changing the saturation by 10% instead.

69.0360, 86.7705,
99.4960

69.0360, 86.7705,
99.4960

446.4773,
517.4684, 579.8085

51.0178, 65.3053,
75.2652

116.8668,
142.8442, 162.5102

36.4439, 47.7087,
55.3271

147.4100,
178.2215, 202.1307

24.9489, 33.5962,
39.2633

182.8590,
219.0050, 247.7181

16.1675, 22.5836,
26.6552

223.5791,
265.5790, 299.6910

9.7344, 14.2863,
17.0843

269.9356,
318.3279, 358.4680

5.2841, 8.3201,
10.1320

322.2939,

2.4514, 4.3004,

377.6362, 424.4675

5.3798

381.0194,
443.8883, 498.1082

0.8708, 1.8430,
2.4092

0.0000, 0.5138,
0.7914

69.0360, 86.7705,
99.4960

69.0360, 86.7705,
99.4960

63.5479, 83.9944,
96.8412

75.6051, 90.1030,
102.2439

59.0760, 81.7412,
94.2721

83.3092, 94.0197,
105.0834

55.5531, 79.9765,
91.7867

92.2021, 98.5484,
108.0185

52.9026, 78.6606,
89.3812

95.0500, 100.0000,
108.9000

■ 51.0359, 77.7479,
87.0514

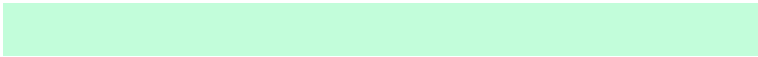
■ 49.8457, 77.1831,
84.7919

■ 49.3025, 76.9370,
83.2339

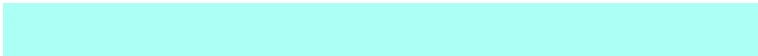
Harmonies

Analogous

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



69.9701, 86.7705, 79.2565



69.0360, 86.7705, 99.4960



71.5246, 86.7705, 121.3494

Triad

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



69.0360, 86.7705, 99.4960



91.3875, 86.7705, 131.2883



88.2309, 86.7705, 61.5060

Complementary

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



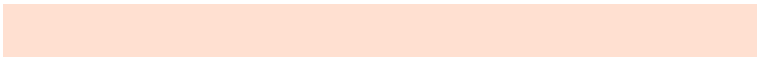
69.0360, 86.7705, 99.4960



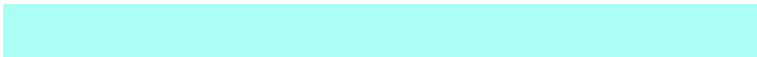
64.1442, 53.7233, 50.7057

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.



94.4847, 86.7705, 71.8993



69.0360, 86.7705, 99.4960



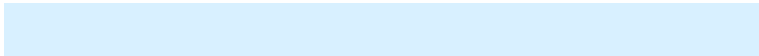
96.3826, 86.7705, 111.5341

Square

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



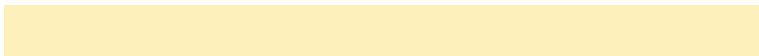
69.0360, 86.7705, 99.4960



84.2067, 86.7705, 141.4126



97.5488, 86.7705, 89.6322



80.7628, 86.7705, 59.2811

Rectangle

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



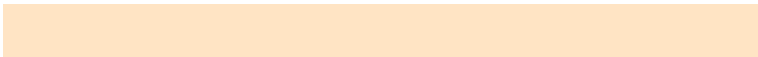
69.0360, 86.7705, 99.4960



74.8835, 86.7705, 133.2379



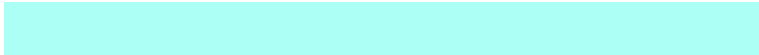
97.5488, 86.7705, 89.6322



90.5582, 86.7705, 64.0749

Sweetspot

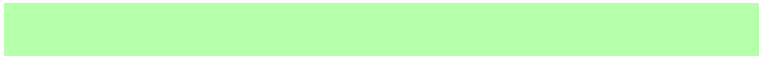
The Sweet Spot groups the original color and five complimentary colors.



69.0370, 86.7710, 99.4975



85.7980, 95.2864, 105.9362



62.4503, 84.4302, 51.5349



18.1069, 20.2642, 22.5872



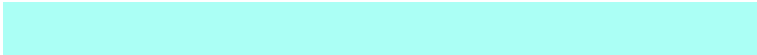
0.0000, 0.0000, 0.0000



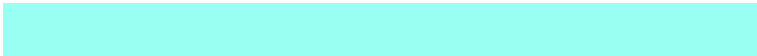
20.3446, 21.4041, 23.3091

Same Dimension

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



69.0370, 86.7710, 99.4975



65.0532, 84.7548, 97.6130



61.5551, 69.2978, 104.7393



18.4563, 20.4420, 22.7057



25.7986, 40.2160, 43.6861



2.5371, 3.9258, 4.3862

Inverse Universe

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



64.1442, 53.7233, 50.7057



59.4356, 46.7642, 41.5585



69.6651, 66.3486, 47.6645



18.0973, 18.0222, 19.1295



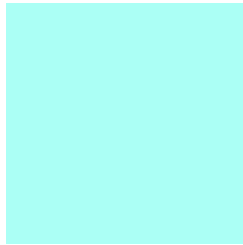
21.7011, 11.1697, 1.8105



2.1397, 1.0983, 0.3171

Previews

White Background



This preview shows how the XYZ color 69.0360, 86.7705, 99.4960 looks on a white background.

Color Contrast Check

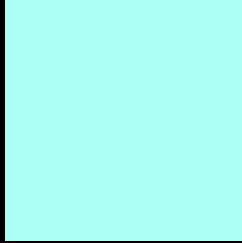
Large Text (above 18pt) WCAG AA × Fail

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 69.0360, 86.7705, 99.4960 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 69.0360, 86.7705, 99.4960

Background



This preview shows how black text looks on a background with the XYZ color 69.0360, 86.7705, 99.4960.

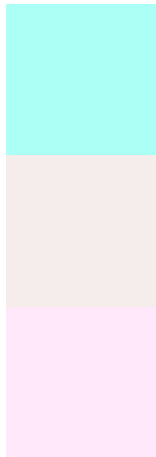


This preview shows how white text looks on a background with the XYZ color 69.0360, 86.7705,

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

69.0360, 86.7705, 99.4960

Protanopia

82.5878, 85.7996, 90.8054

Deuteranopia

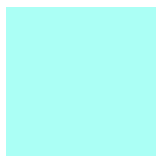
87.1955, 85.8128, 101.5904



Tritanopia

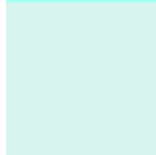
77.8538, 86.5219, 107.2048

Trichromacy



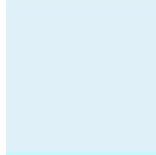
Original Color

69.0360, 86.7705, 99.4960



Protanomaly

76.5459, 85.6851, 94.1658



Deuteranomaly

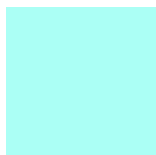
78.8438, 84.9448, 101.0474



Tritanomaly

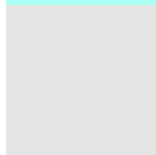
74.3142, 86.5867, 104.0629

Monochromacy



Original Color

69.0360, 86.7705, 99.4960



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.5824, 80.5571, 90.3735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.0360, 86.7705, 99.4960 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(171, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 245)  
}
```

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(171, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 245) }
```

Border

The CSS property to change the border of an element to XYZ 69.0360, 86.7705, 99.4960 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(171, 255, 245) }
```


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

```
.border{ border-color:rgb(171, 255, 245) }
```

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

Here you see how a box with a 4 pixel rgb(171, 255, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(171, 255,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 69.0360, 86.7705, 99.4960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 255, 245) }
```

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

```
.background{ background-color: rgb(171,  
255, 245) }
```

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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