

Converting Colors

XYZ(71.2787, 87.9302, 99.4416)

Have a look what the booklet for
XYZ(71.2787, 87.9302, 99.4416)
contains.

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Color

**XYZ(71.2975, 87.9363,
99.6018)**

Conversions

Conversions Part 1

Format	Color
Hex	B5FFF5
RGB	181, 255, 245
RGB Percent	71%, 100%, 96%
CMY	0.2902, 0.0000, 0.0392
CMYK	0.29, 0.00, 0.04, 0.00
HSL	172°, 100%, 85%
HSV	172°, 29%, 100%
XYZ	71.2975, 87.9363, 99.6018
YIQ	231.7340, -40.8940, -18.7980

Conversions

Conversions Part 2

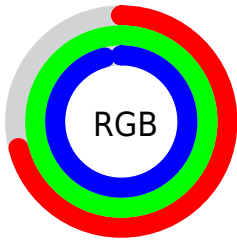
Format	Color
RYB	181, 221, 255
Decimal	11927541
CIELab	95.13, -24.72, -2.54
CIELCh	95, 24.850, 185.860
Yxy	87.9363, 0.2755, 0.3397
Android (android.graphics.Color)	4290117621 (0xFFB5FFF5)
YUV	231.7340, 6.5401, -44.4937
Hunter-Lab	93.7744, -28.3899, 2.6676

Details

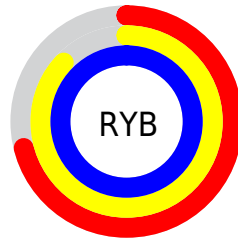
The XYZ color **71.2975, 87.9363, 99.6018** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **67.1687, 58.0707, 56.9597**, and the grayscale version is **76.4774, 80.4602, 87.6211**.

A 20% lighter version of the original color is **89.4066, 97.0907, 108.6359**, and **37.9836, 48.4979, 55.5032** is the 20% darker color. If you saturate the color by 10%, you get **65.3348, 84.9226, 96.6036**, and if you desaturate by 10%, it is **78.3663, 91.5191, 102.7058**.

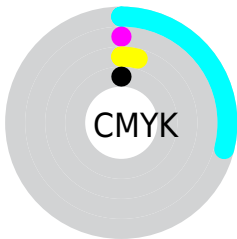
Distribution



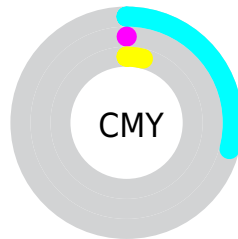
- Red (71%)
- Green (100%)
- Blue (96%)



- Red (71%)
- Yellow (87%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)



- Cyan (29%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.2975, 87.9363, 99.6018 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 71.2975, 87.9363, 99.6018 by changing the saturation by 10% instead.


 71.2975, 87.9363,
99.6018

 71.2975, 87.9363,
99.6018


454.2884,
521.2946, 580.1510

 52.8684, 66.2703,
75.3530


 120.0734,
144.4685, 162.6570

 37.9248, 48.4919,
55.3987


151.1510,
180.1034, 202.3004

 26.1013, 34.2166,
39.3202


187.1755,
221.1635, 247.9125

 17.0325, 23.0600,
26.6992

228.5122,
268.0331, 299.9117

 10.3531, 14.6378,
17.1170

275.5265,
321.0967, 358.7166

 5.6978, 8.5656,
10.1551

328.5837,

 2.7011, 4.4589,

380.7385, 424.7458

5.3950

388.0492,
447.3430, 498.4177

0.9977, 1.9335,
2.4181

0.0000, 0.5684,
0.7963

71.2975, 87.9363,
99.6018

71.2975, 87.9363,
99.6018

65.3348, 84.9226,
96.6036

78.3663, 91.5191,
102.7058

60.4153, 82.4456,
93.7037

86.5935, 95.6978,
105.9139

56.4746, 80.4721,
90.9001

95.0500, 100.0000,
108.9000

53.4396, 78.9644,
88.1893

■ 51.2271, 77.8795,
85.5670

■ 49.7382, 77.1666,
83.0283

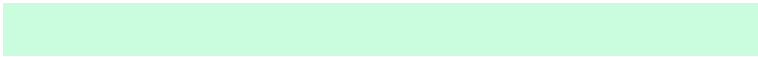
■ 48.8269, 76.7504,
80.5660

■ 48.7506, 76.7162,
80.3276

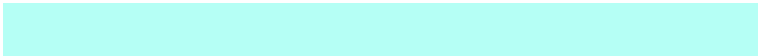
Harmonies

Analogous

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



72.2638, 87.9363, 81.3064



71.2975, 87.9363, 99.6018



73.4759, 87.9363, 119.2706

Triad

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



71.2975, 87.9363, 99.6018



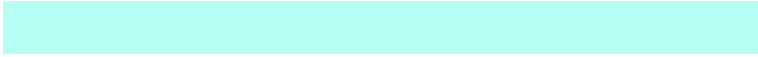
91.4347, 87.9363, 129.2236



89.0141, 87.9363, 65.6173

Complementary

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



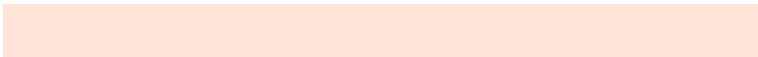
71.2975, 87.9363, 99.6018



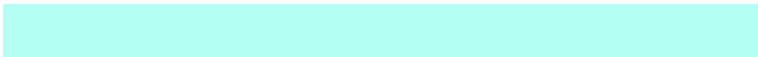
67.1687, 58.0707, 56.9597

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.



94.5722, 87.9363, 75.5407



71.2975, 87.9363, 99.6018



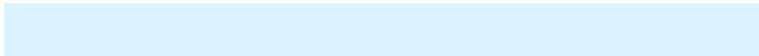
96.0216, 87.9363, 111.8050

Square

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



71.2975, 87.9363, 99.6018



84.9159, 87.9363, 137.7922



97.1996, 87.9363, 91.9943



82.2598, 87.9363, 63.2650

Rectangle

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



71.2975, 87.9363, 99.6018



76.4913, 87.9363, 130.0087



97.1996, 87.9363, 91.9943



91.0954, 87.9363, 68.1060

Sweetspot

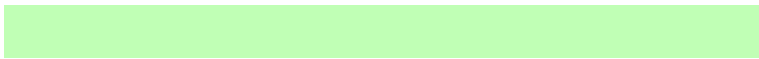
The Sweet Spot groups the original color and five complimentary colors.



71.2985, 87.9368, 99.6033



86.6096, 95.7061, 105.9199



65.8651, 86.0762, 56.8607



18.2659, 20.3467, 22.5699



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

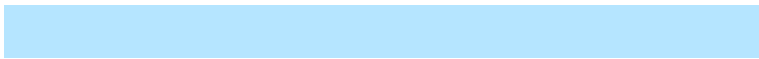
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.2985, 87.9368, 99.6033



67.6022, 86.0675, 97.7968



65.1541, 73.1388, 105.2909



18.4430, 20.4367, 22.6360



25.5142, 40.1023, 42.1885



2.5122, 3.9158, 4.2550

Inverse Universe

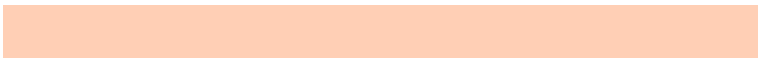
The Inverse Universe completely reimagines the original color for something new.



67.1687, 58.0707, 56.9597



62.8475, 51.6483, 48.6758



71.8699, 69.1746, 53.2819



18.1093, 18.0270, 19.1926



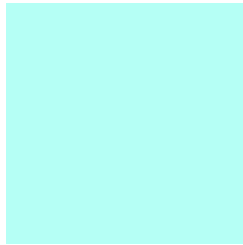
21.7335, 11.1827, 1.9810



2.1453, 1.1005, 0.3467

Previews

White Background



This preview shows how the XYZ color 71.2975, 87.9363, 99.6018 looks on a white background.

Color Contrast Check

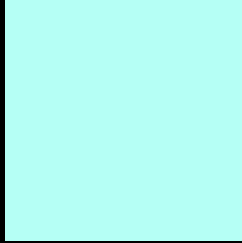
Large Text (above 18pt) WCAG AA × Fail

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 71.2975, 87.9363, 99.6018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

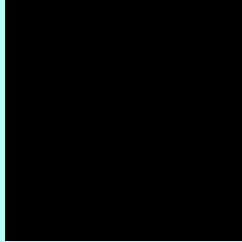
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

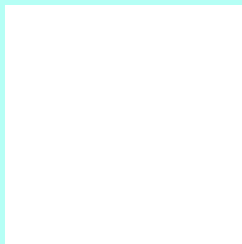
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.2975, 87.9363, 99.6018

Background



This preview shows how black text looks on a background with the XYZ color 71.2975, 87.9363, 99.6018.

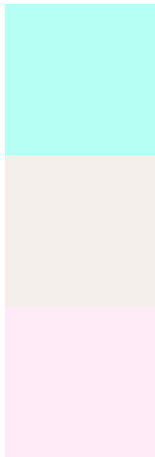


This preview shows how white text looks on a background with the XYZ color 71.2975, 87.9363,

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

71.2975, 87.9363, 99.6018

Protanopia

83.6630, 87.2016, 91.7790

Deuteranopia

87.6061, 86.8829, 100.9597



Tritanopia

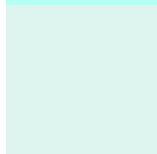
79.6158, 87.4302, 107.2873

Trichromacy



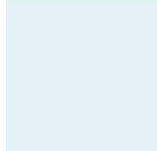
Original Color

71.2975, 87.9363, 99.6018



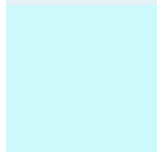
Protanomaly

78.3566, 87.0664, 94.3370



Deuteranomaly

80.5355, 86.7136, 100.4884



Tritanomaly

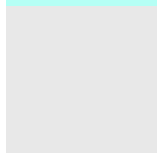
76.4651, 87.6955, 104.1636

Monochromacy



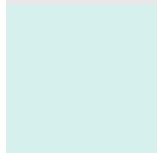
Original Color

71.2975, 87.9363, 99.6018



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

73.8867, 82.5807, 92.1662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.2975, 87.9363, 99.6018 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(181, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(181, 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(181, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 245) }
```

Border

The CSS property to change the border of an element to XYZ 71.2975, 87.9363, 99.6018 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(181, 255, 245) }
```


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

```
.border{ border-color:rgb(181, 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(181, 255, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 71.2975, 87.9363, 99.6018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 255, 245) }
```

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

```
.background{ background-color: rgb(181,  
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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