

Converting Colors

XYZ(72.1602, 87.4397,
107.6820)

Have a look what the booklet for
XYZ(72.1602, 87.4397, 107.6820)
contains.

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Color

**XYZ(71.9977, 87.1739,
107.6393)**

Conversions

Conversions Part 1

Format	Color
Hex	B4FDFF
RGB	180, 253, 255
RGB Percent	71%, 99%, 100%
CMY	0.2941, 0.0078, 0.0000
CMYK	0.29, 0.01, 0.00, 0.00
HSL	182°, 100%, 85%
HSV	182°, 29%, 100%
XYZ	71.9977, 87.1739, 107.6393
YIQ	231.4010, -44.1500, -14.8540

Conversions

Conversions Part 2

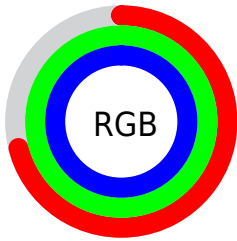
Format	Color
RYB	180, 217, 255
Decimal	11861503
CIELab	94.81, -21.85, -8.18
CIELCh	95, 23.331, 200.526
Yxy	87.1739, 0.2698, 0.3267
Android (android.graphics.Color)	4290051583 (0xFFB4FDFF)
YUV	231.4010, 11.6343, -45.0787
Hunter-Lab	93.3670, -25.7462, -2.9964

Details

The XYZ color **71.9977, 87.1739, 107.6393** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.2063, 58.0108, 50.8896**, and the grayscale version is **76.1959, 80.1640, 87.2986**.

A 20% lighter version of the original color is **89.0699, 96.9171, 108.6201**, and **38.2452, 47.8422, 60.6448** is the 20% darker color. If you saturate the color by 10%, you get **66.3854, 83.9655, 107.3158**, and if you desaturate by 10%, it is **78.7073, 90.9536, 108.0152**.

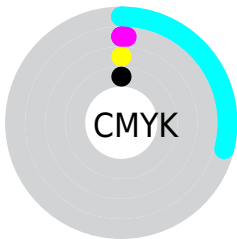
Distribution



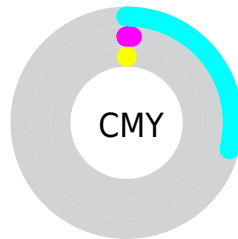
- Red (71%)
- Green (99%)
- Blue (100%)



- Red (71%)
- Yellow (85%)
- Blue (100%)



- Cyan (29%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)





- Cyan (29%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.9977, 87.1739, 107.6393 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 71.9977, 87.1739, 107.6393 by changing the saturation by 10% instead.


 71.9977, 87.1739,
107.6393

 71.9977, 87.1739,
107.6393

456.6913,
518.7941, 605.8717

 53.4423, 65.6391,
82.0432


 121.0641,
143.4065, 173.7595

 38.3848, 47.9795,
60.8652


152.3057,
178.8731, 215.1207

 26.4601, 33.8107,
43.6865

188.5068,
219.7525, 262.5740

 17.3026, 22.7482,
30.0887

230.0327,
266.4290, 316.5381

 10.5471, 14.4077,
19.6533

277.2487,
319.2870, 377.4313

 5.8282, 8.4048,
11.9617

330.5203,

 2.7806, 4.3550,

378.7109, 445.6723

6.5954

390.2127,
445.0852, 521.6796

■ 1.0388, 1.8741,
3.1358

■ 0.0000, 0.5327,
1.1644

■ 71.9977, 87.1739,
107.6393

■ 71.9977, 87.1739,
107.6393

■ 66.3854, 83.9655,
107.3158

■ 78.7073, 90.9536,
108.0152

■ 61.8037, 81.2873,
107.0404

■ 86.5628, 95.3229,
108.4445

■ 58.1891, 79.1088,
106.8104

95.0500, 100.0000,
108.9000

■ 55.4683, 77.3921,
106.6224

■ 53.5576, 76.0943,
106.4726

■ 52.3575, 75.1638,
106.3563

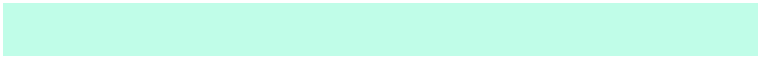
■ 51.7149, 74.5220,
106.2663

■ 51.6838, 74.4876,
106.2613

Harmonies

Analogous

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



71.4480, 87.1739, 89.3082



71.9977, 87.1739, 107.6393



75.3747, 87.1739, 124.3684

Triad

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



71.9977, 87.1739, 107.6393



92.5862, 87.1739, 118.7839



84.8708, 87.1739, 64.5848

Complementary

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



71.9977, 87.1739, 107.6393



66.2063, 58.0108, 50.8896

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.



90.8171, 87.1739, 70.5269



71.9977, 87.1739, 107.6393



95.4183, 87.1739, 100.7570

Square

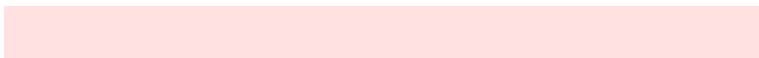
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.9977, 87.1739, 107.6393



87.1867, 87.1739, 131.3485



94.7550, 87.1739, 83.2399



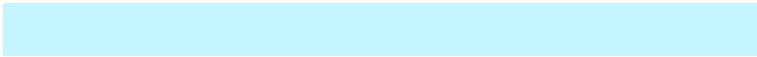
78.6715, 87.1739, 65.9349

Rectangle

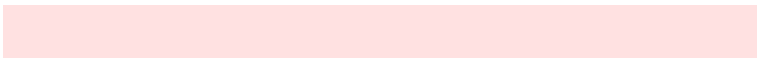
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.9977, 87.1739, 107.6393



78.8740, 87.1739, 131.6198



94.7550, 87.1739, 83.2399



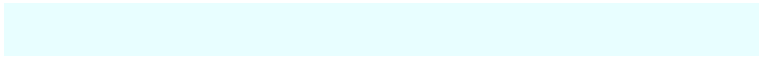
86.9702, 87.1739, 65.7639

Sweetspot

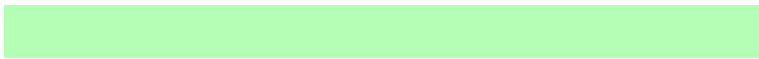
The Sweet Spot groups the original color and five complimentary colors.



72.0000, 87.1773, 107.6398



86.9105, 95.5152, 108.4634



62.9497, 84.5703, 56.8584



18.3405, 20.2992, 23.2014



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

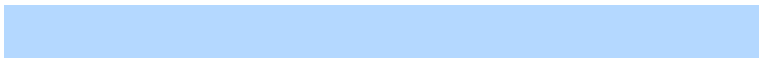
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.0000, 87.1773, 107.6398



68.7307, 85.3144, 107.4526



61.4936, 66.1646, 104.1377



18.5110, 20.3936, 23.2107



27.0246, 38.9587, 55.5300



2.6439, 3.8184, 5.4110

Inverse Universe

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



75.2923, 60.9961, 100.7376



72.5008, 55.5096, 99.5093



74.7454, 75.0890, 53.7360



18.7706, 18.2915, 22.6750



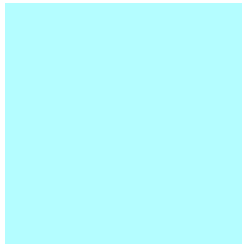
30.4289, 14.6609, 47.7707



2.9691, 1.4300, 4.6847

Previews

White Background



This preview shows how the XYZ color 71.9977, 87.1739, 107.6393 looks on a white background.

Color Contrast Check

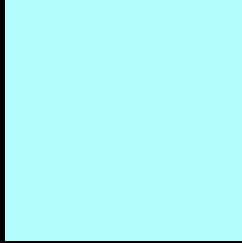
Large Text (above 18pt) WCAG AA × Fail

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 71.9977, 87.1739, 107.6393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

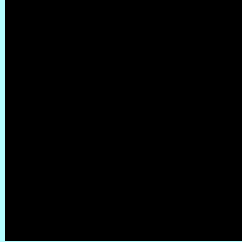
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.9977, 87.1739, 107.6393

Background



This preview shows how black text looks on a background with the XYZ color 71.9977, 87.1739, 107.6393.

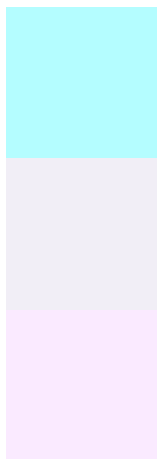


This preview shows how white text looks on a background with the XYZ color 71.9977, 87.1739,

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

71.9977, 87.1739, 107.6393

Protanopia

83.4847, 86.5037, 99.4855

Deuteranopia

86.8972, 86.3896, 106.7026



Tritanopia

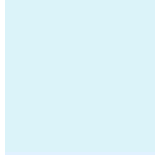
78.7267, 86.9719, 107.2457

Trichromacy



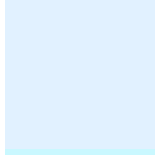
Original Color

71.9977, 87.1739, 107.6393



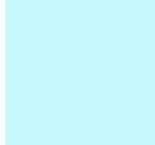
Protanomaly

78.3629, 86.0008, 102.0922



Deuteranomaly

80.5566, 86.1381, 106.9883



Tritanomaly

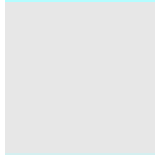
75.9745, 86.9114, 107.3790

Monochromacy



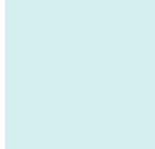
Original Color

71.9977, 87.1739, 107.6393



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.7461, 82.0213, 94.3829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.9977, 87.1739, 107.6393 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(180, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 253, 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(180, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 253, 255) }
```

Border

The CSS property to change the border of an element to XYZ 71.9977, 87.1739, 107.6393 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(180, 253, 255) }
```


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

```
.border{ border-color:rgb(180, 253, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 253,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 71.9977, 87.1739, 107.6393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 253, 255) }
```

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

```
.background{ background-color: rgb(180,  
253, 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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