

Converting Colors

XYZ(71.5190, 88.0263,
100.7072)

Have a look what the booklet for
XYZ(71.5190, 88.0263, 100.7072)
contains.

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Color

**XYZ(71.4506, 87.9976,
100.4082)**

Conversions

Conversions Part 1

Format	Color
Hex	B5FFF6
RGB	181, 255, 246
RGB Percent	71%, 100%, 96%
CMY	0.2902, 0.0000, 0.0353
CMYK	0.29, 0.00, 0.04, 0.00
HSL	173°, 100%, 85%
HSV	173°, 29%, 100%
XYZ	71.4506, 87.9976, 100.4082
YIQ	231.8480, -41.2150, -18.4870

Conversions

Conversions Part 2

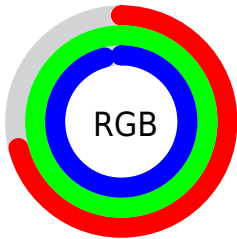
Format	Color
RYB	181, 220, 255
Decimal	11927542
CIELab	95.16, -24.51, -3.02
CIELCh	95, 24.691, 187.014
Yxy	87.9976, 0.2750, 0.3386
Android (android.graphics.Color)	4290117622 (0xFFB5FFF6)
YUV	231.8480, 6.9769, -44.5937
Hunter-Lab	93.8070, -28.2031, 2.2027

Details

The XYZ color **71.4506, 87.9976, 100.4082** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **67.0589, 58.0267, 56.3817**, and the grayscale version is **76.5595, 80.5466, 87.7152**.

A 20% lighter version of the original color is **89.4066, 97.0907, 108.6359**, and **38.0925, 48.5415, 56.0770** is the 20% darker color. If you saturate the color by 10%, you get **65.5370, 85.0035, 97.6688**, and if you desaturate by 10%, it is **78.4684, 91.5599, 103.2436**.

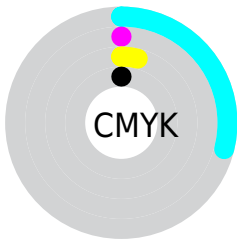
Distribution



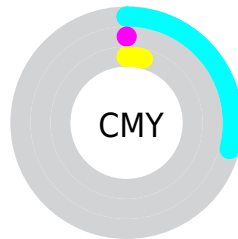
- Red (71%)
- Green (100%)
- Blue (96%)



- Red (71%)
- Yellow (86%)
- 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 71.4506, 87.9976, 100.4082 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 71.4506, 87.9976, 100.4082 by changing the saturation by 10% instead.

71.4506, 87.9976,
100.4082

71.4506, 87.9976,
100.4082

454.8144,
521.4954, 582.7585

52.9939, 66.3211,
76.0227

120.2901,
144.5538, 163.7748

38.0253, 48.5331,
55.9444

151.4036,
180.2023, 203.5930

26.1796, 34.2492,
39.7546

187.4668,
221.2769, 249.3925

17.0915, 23.0851,
27.0349

228.8449,
268.1620, 301.5918

10.3954, 14.6564,
17.3668

275.9034,
321.2420, 360.6095

5.7262, 8.5786,
10.3316

329.0076,

2.7184, 4.4673,

380.9013, 426.8642

5.5109

388.5228,
447.5243, 500.7743

■ 1.0066, 1.9383,
2.4861

■ 0.0000, 0.5712,
0.8328

■ 71.4506, 87.9976,
100.4082

■ 71.4506, 87.9976,
100.4082

■ 65.5370, 85.0035,
97.6688

■ 78.4684, 91.5599,
103.2436

■ 60.6649, 82.5455,
95.0180

■ 86.6426, 95.7175,
106.1734

■ 56.7696, 80.5901,
92.4540

95.0500, 100.0000,
108.9000

■ 53.7783, 79.0999,
89.9732

■ 51.6077, 78.0318,
87.5715

■ 50.1589, 77.3349,
85.2440

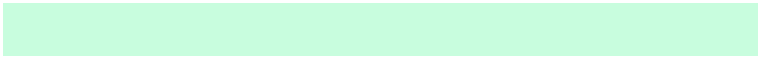
■ 49.2861, 76.9340,
82.9838

■ 49.2134, 76.9014,
82.7647

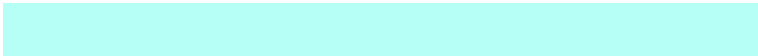
Harmonies

Analogous

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



72.2911, 87.9976, 82.0688



71.4506, 87.9976, 100.4082



73.7333, 87.9976, 119.8820

Triad

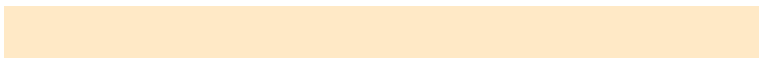
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.4506, 87.9976, 100.4082



91.6674, 87.9976, 128.5300



88.7907, 87.9976, 65.6063

Complementary

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



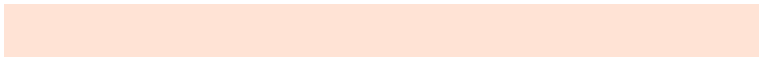
71.4506, 87.9976, 100.4082



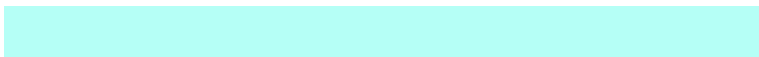
67.0589, 58.0267, 56.3817

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.



94.3945, 87.9976, 75.2050



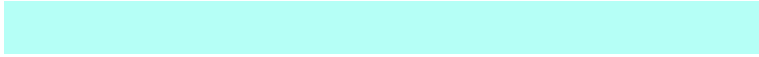
71.4506, 87.9976, 100.4082



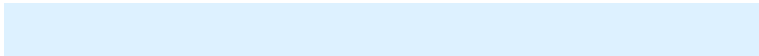
96.1166, 87.9976, 111.0151

Square

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



71.4506, 87.9976, 100.4082



85.2281, 87.9976, 137.4692



97.1404, 87.9976, 91.3629



82.0700, 87.9976, 63.5591

Rectangle

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



71.4506, 87.9976, 100.4082



76.7950, 87.9976, 130.3547



97.1404, 87.9976, 91.3629



90.8782, 87.9976, 67.9877

Sweetspot

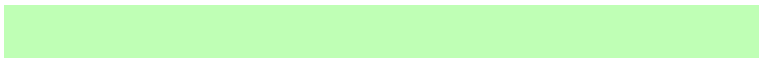
The Sweet Spot groups the original color and five complimentary colors.



71.4516, 87.9980, 100.4097



86.6588, 95.7257, 106.1789



65.5538, 85.9157, 56.8460



18.2781, 20.3516, 22.6341



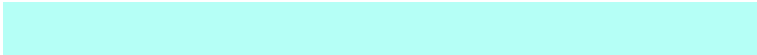
0.0000, 0.0000, 0.0000



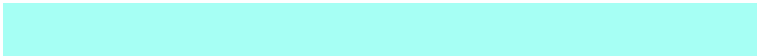
20.3446, 21.4041, 23.3091

Same Dimension

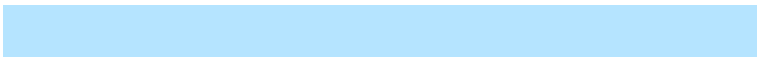
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.4516, 87.9980, 100.4097



67.7850, 86.1406, 98.7592



64.8138, 72.4582, 105.1775



18.4542, 20.4412, 22.6945



25.7527, 40.1977, 43.4443



2.5331, 3.9242, 4.3650

Inverse Universe

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



67.0589, 58.0267, 56.3817



62.7271, 51.6001, 48.0415



72.1696, 69.7740, 53.3816



18.0992, 18.0230, 19.1396



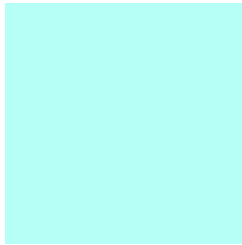
21.7060, 11.1717, 1.8365



2.1406, 1.0986, 0.3218

Previews

White Background



This preview shows how the XYZ color 71.4506, 87.9976, 100.4082 looks on a white background.

Color Contrast Check

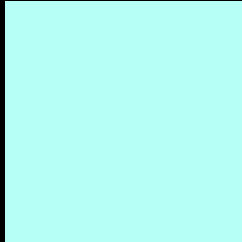
Large Text (above 18pt) WCAG AA × Fail

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 71.4506, 87.9976, 100.4082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

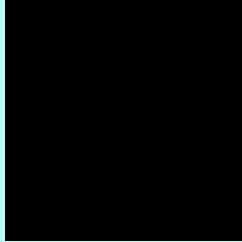
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

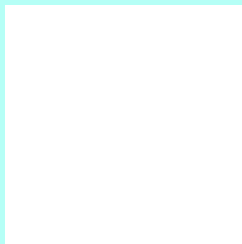
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.4506, 87.9976, 100.4082

Background



This preview shows how black text looks on a background with the XYZ color 71.4506, 87.9976, 100.4082.

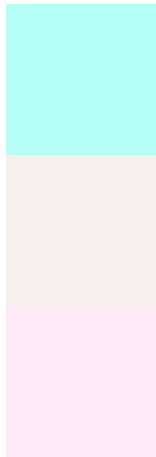


This preview shows how white text looks on a background with the XYZ color 71.4506, 87.9976,

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

71.4506, 87.9976, 100.4082

Protanopia

83.8088, 87.2599, 92.5464

Deuteranopia

87.6061, 86.8829, 100.9597



Tritanopia

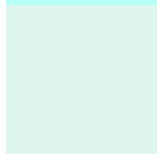
79.6158, 87.4302, 107.2873

Trichromacy



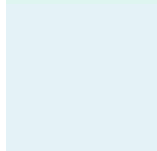
Original Color

71.4506, 87.9976, 100.4082



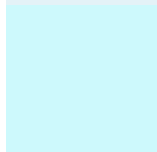
Protanomaly

78.5048, 87.1257, 95.1174



Deuteranomaly

80.5355, 86.7136, 100.4884



Tritanomaly

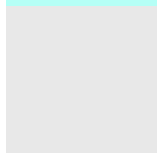
76.6232, 87.7588, 104.9961

Monochromacy



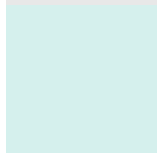
Original Color

71.4506, 87.9976, 100.4082



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 71.4506, 87.9976, 100.4082 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, 246)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 246)  
}
```

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, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 246) }
```

Border

The CSS property to change the border of an element to XYZ 71.4506, 87.9976, 100.4082 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, 246) }
```


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

```
.border{ border-color:rgb(181, 255, 246) }
```

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, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 71.4506, 87.9976, 100.4082 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, 246) }
```

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

```
.background{ background-color: rgb(181,  
255, 246) }
```

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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