

Converting Colors

XYZ(71.9840, 100.0000,
105.9230)

Have a look what the booklet for
XYZ(71.9840, 100.0000, 105.9230)
contains.

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Color

**XYZ(63.9998, 84.0848,
103.2993)**

Conversions

Conversions Part 1

Format	Color
Hex	8DFFFA
RGB	141, 255, 250
RGB Percent	55%, 100%, 98%
CMY	0.4470, 0.0000, 0.0196
CMYK	0.45, 0.00, 0.02, 0.00
HSL	177°, 100%, 78%
HSV	177°, 45%, 100%
XYZ	63.9998, 84.0848, 103.2993
YIQ	220.3440, -66.3390, -25.7230

Conversions

Conversions Part 2

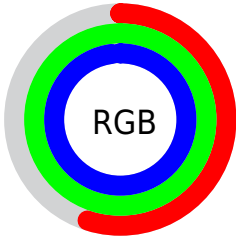
Format	Color
RYB	141, 199, 255
Decimal	9306106
CIELab	93.49, -33.68, -7.75
CIELCh	93, 34.563, 192.957
Yxy	84.0848, 0.2546, 0.3345
Android (android.graphics.Color)	4287496186 (0xFF8DFFFA)
YUV	220.3440, 14.6204, -69.5847
Hunter-Lab	91.6978, -35.8883, -2.6029

Details

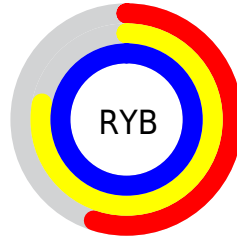
The XYZ color **63.9998, 84.0848, 103.2993** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.9541, 42.3866, 32.4277**, and the grayscale version is **68.2024, 71.7542, 78.1403**.

A 20% lighter version of the original color is **77.6294, 91.0194, 108.0847**, and **33.2400, 45.9887, 58.1637** is the 20% darker color. If you saturate the color by 10%, you get **59.9775, 82.0315, 102.1999**, and if you desaturate by 10%, it is **69.0234, 86.6543, 104.4539**.

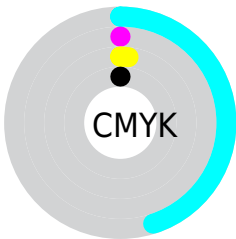
Distribution



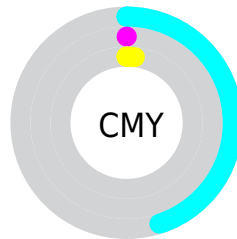
- Red (55%)
- Green (100%)
- Blue (98%)



- Red (55%)
- Yellow (78%)
- Blue (100%)



- Cyan (45%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)





- Cyan (45%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.9998, 84.0848, 103.2993 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 63.9998, 84.0848, 103.2993 by changing the saturation by 10% instead.


 63.9998, 84.0848,
103.2993


 63.9998, 84.0848,
103.2993


428.7911,
508.5948, 592.0563

 46.9122, 63.0855,
78.4266


 109.6844,
139.0938, 167.7751

 33.1739, 45.9103,
57.9059


 139.0121,
173.8722, 208.2153

 22.4196, 32.1751,
41.3188


173.1505,
214.0125, 254.6817

 14.2838, 21.4953,
28.2467

212.4650,
259.8989, 307.5929

 8.4014, 13.4865,
18.2711

257.3210,
311.9160, 367.3674

 4.4068, 7.7644,
10.9733

308.0838,

 1.9347, 3.9446,

370.4481, 434.4238

5.9350

365.1187,
435.8795, 509.1806

■ 0.5969, 1.6426,
2.7374

■ 0.0000, 0.3861,
0.9622

■ 63.9998, 84.0848,
103.2993

■ 63.9998, 84.0848,
103.2993

■ 59.9775, 82.0315,
102.1999

■ 69.0234, 86.6543,
104.4539

■ 56.8838, 80.4567,
101.1480

■ 75.1079, 89.7705,
105.6621

■ 54.6415, 79.3206,
100.1413

■ 82.3120, 93.4638,
106.9281

■ 53.1593, 78.5764,
99.1755

■ 90.6893, 97.7617,
108.2545

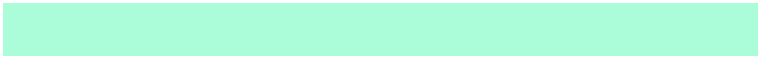
■ 52.3252, 78.1661, 95.0500, 100.0000,
98.2455 108.9000

■ 52.0617, 78.0407,
97.7635

Harmonies

Analogous

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



64.2796, 84.0848, 77.5915



63.9998, 84.0848, 103.2993



67.7453, 84.0848, 130.2777

Triad

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



63.9998, 84.0848, 103.2993



92.4933, 84.0848, 133.5116



85.1779, 84.0848, 51.3986

Complementary

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



63.9998, 84.0848, 103.2993



55.9541, 42.3866, 32.4277

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.



93.4726, 84.0848, 61.3822



63.9998, 84.0848, 103.2993



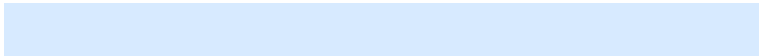
97.9117, 84.0848, 107.0985

Square

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



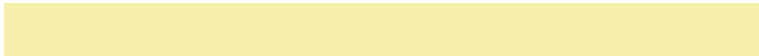
63.9998, 84.0848, 103.2993



83.9223, 84.0848, 149.8284



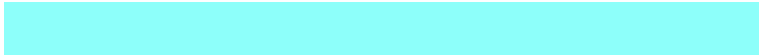
98.2831, 84.0848, 80.7347



76.0471, 84.0848, 50.7696

Rectangle

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



63.9998, 84.0848, 103.2993



72.1993, 84.0848, 144.0469



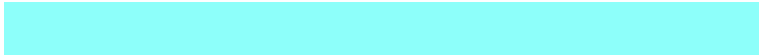
98.2831, 84.0848, 80.7347



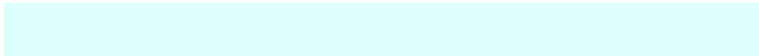
88.1725, 84.0848, 53.6701

Sweetspot

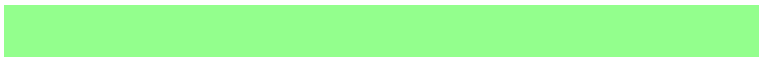
The Sweet Spot groups the original color and five complimentary colors.



64.0009, 84.0854, 103.3008



83.6551, 94.1527, 107.1498



52.5478, 79.6190, 37.7996



17.5346, 19.9623, 22.8731



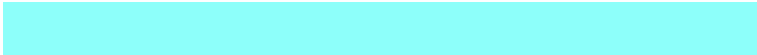
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



64.0009, 84.0854, 103.3008



60.2295, 82.1599, 102.2758



50.5575, 55.9274, 102.7382



18.5184, 20.4669, 23.0330



27.2185, 40.7840, 51.1633



2.6604, 3.9751, 5.0355

Inverse Universe

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



55.9541, 42.3866, 32.4277



51.2326, 35.4911, 23.0001



64.9642, 61.0156, 33.5544



18.0416, 18.0000, 18.8365



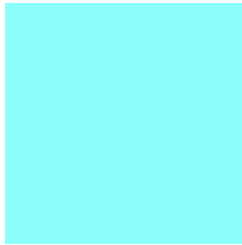
21.5947, 11.1272, 1.2504



2.1134, 1.0878, 0.1788

Previews

White Background



This preview shows how the XYZ color 63.9998, 84.0848, 103.2993 looks on a white background.

Color Contrast Check

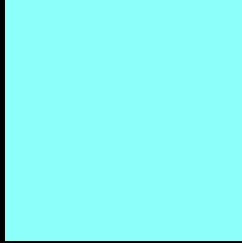
Large Text (above 18pt) WCAG AA × Fail

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 63.9998, 84.0848, 103.2993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

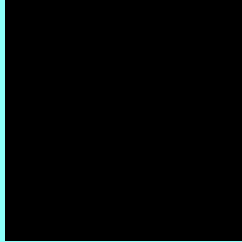
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

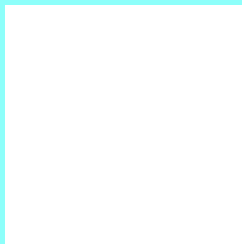
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.9998, 84.0848, 103.2993

Background



This preview shows how black text looks on a background with the XYZ color 63.9998, 84.0848, 103.2993.

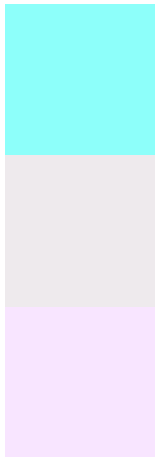


This preview shows how white text looks on a background with the XYZ color 63.9998, 84.0848,

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

63.9998, 84.0848, 103.2993

Protanopia

79.9688, 83.1372, 91.9530

Deuteranopia

84.7807, 83.2151, 106.2014



Tritanopia

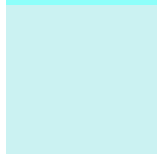
72.9064, 83.5235, 106.8868

Trichromacy



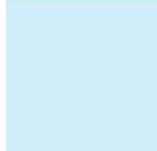
Original Color

63.9998, 84.0848, 103.2993



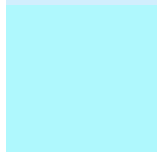
Protanomaly

72.4077, 82.6116, 96.1337



Deuteranomaly

74.5987, 81.7962, 104.7850



Tritanomaly

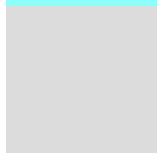
68.9762, 83.3406, 105.3794

Monochromacy



Original Color

63.9998, 84.0848, 103.2993



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

65.0486, 75.1237, 86.6732

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9998, 84.0848, 103.2993 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(141, 255, 250)` looks like.

```
.text, #text, p{  
    color:rgb(141, 255, 250)  
}
```

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(141, 255, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 255, 250) }
```

Border

The CSS property to change the border of an element to XYZ 63.9998, 84.0848, 103.2993 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(141, 255, 250) }
```


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

```
.border{ border-color:rgb(141, 255, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 255, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(141, 255,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9998, 84.0848, 103.2993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 255, 250) }
```

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

```
.background{ background-color: rgb(141,  
255, 250) }
```

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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