

Converting Colors

XYZ(64.6359, 82.8451,
101.0883)

Have a look what the booklet for
XYZ(64.6359, 82.8451, 101.0883)
contains.

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Color

**XYZ(64.8906, 83.1704,
101.4403)**

Conversions

Conversions Part 1

Format	Color
Hex	99FCF8
RGB	153, 252, 248
RGB Percent	60%, 99%, 97%
CMY	0.4000, 0.0117, 0.0274
CMYK	0.39, 0.00, 0.02, 0.01
HSL	178°, 94%, 79%
HSV	178°, 39%, 99%
XYZ	64.8906, 83.1704, 101.4403
YIQ	221.9430, -57.7200, -22.2320

Conversions

Conversions Part 2

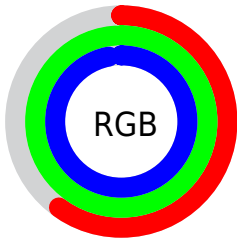
Format	Color
RYB	153, 204, 252
Decimal	10091768
CIELab	93.09, -29.94, -7.25
CIELCh	93, 30.808, 193.612
Yxy	83.1704, 0.2601, 0.3333
Android (android.graphics.Color)	4288281848 (0xFF99FCF8)
YUV	221.9430, 12.8461, -60.4630
Hunter-Lab	91.1978, -32.5868, -2.1104

Details

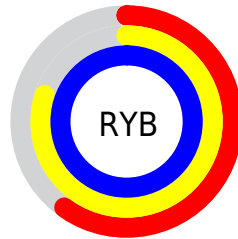
The XYZ color **64.8906, 83.1704, 101.4403** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.6249, 45.9148, 37.7268**, and the grayscale version is **69.3344, 72.9452, 79.4373**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **33.7488, 45.2689, 56.8282** is the 20% darker color. If you saturate the color by 10%, you get **60.4703, 80.9119, 100.4122**, and if you desaturate by 10%, it is **70.3210, 85.9536, 102.5237**.

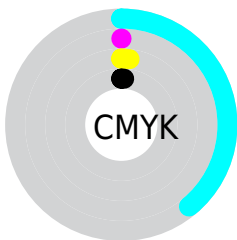
Distribution



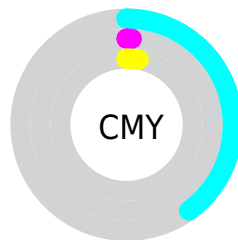
- Red (60%)
- Green (99%)
- Blue (97%)



- Red (60%)
- Yellow (80%)
- Blue (99%)



- Cyan (39%)
- Magenta (0%)
- Yellow (2%)
- Black (1%)



- Cyan (40%)
- Magenta (1%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8906, 83.1704, 101.4403 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 64.8906, 83.1704, 101.4403 by changing the saturation by 10% instead.

64.8906, 83.1704,
101.4403

64.8906, 83.1704,
101.4403

431.9502,
505.5542, 586.0867

47.6367, 62.3307,
76.8804

110.9591,
137.8141, 165.2042

33.7494, 45.3000,
56.6437

140.5045,
172.3869, 205.2452

22.8631, 31.6938,
40.3118

174.8778,
212.3062, 251.2837

14.6126, 21.1277,
27.4661

214.4444,
257.9565, 303.7382

8.6325, 13.2174,
17.6881

259.5695,
309.7220, 363.0271

4.5574, 7.5784,
10.5591

310.6186,

2.0221, 3.8264,

367.9872, 429.5692

5.6608

367.9571,
433.1365, 503.7829

0.6463, 1.5769,
2.5745

0.0000, 0.3420,
0.8793

64.8906, 83.1704,
101.4403

64.8906, 83.1704,
101.4403

60.4703, 80.9119,
100.4122

70.3210, 85.9536,
102.5237

56.9890, 79.1353,
99.4308

76.8124, 89.2816,
103.6595

54.3780, 77.8073,
98.4946

84.4210, 93.1855,
104.8521

52.5563, 76.8861,
97.5998

93.1969, 97.6910,
106.1038

■ 51.4275, 76.3220,
96.7418

■ 93.7967, 97.9815,
106.9774

■ 50.8446, 76.0392,
95.9139

■ 93.9596, 98.0466,
107.8351

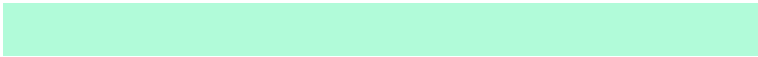
■ 50.8111, 76.0232,
95.8553

■ 94.1018, 98.1035,
108.5839

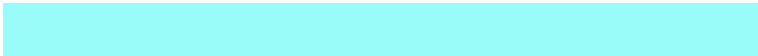
Harmonies

Analogous

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



65.0615, 83.1704, 78.5746



64.8906, 83.1704, 101.4403



68.3263, 83.1704, 124.8518

Triad

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



64.8906, 83.1704, 101.4403



90.2604, 83.1704, 126.7495



83.5164, 83.1704, 54.2238

Complementary

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



64.8906, 83.1704, 101.4403



57.6249, 45.9148, 37.7268

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.



90.8430, 83.1704, 63.2010



64.8906, 83.1704, 101.4403



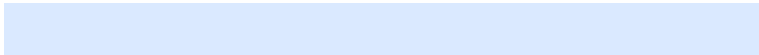
94.9144, 83.1704, 103.7027

Square

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



64.8906, 83.1704, 101.4403



82.7645, 83.1704, 141.0589



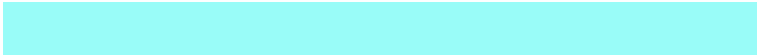
95.1346, 83.1704, 80.4840



75.4502, 83.1704, 53.8284

Rectangle

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



64.8906, 83.1704, 101.4403



72.3443, 83.1704, 136.5569



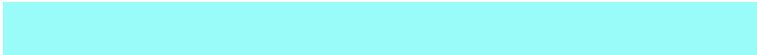
95.1346, 83.1704, 80.4840



86.1598, 83.1704, 56.2583

Sweetspot

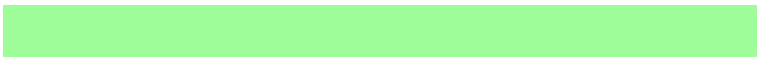
The Sweet Spot groups the original color and five complimentary colors.



64.8930, 83.1737, 101.4422



84.4760, 94.5719, 107.3688



54.6535, 79.1881, 42.5433



17.8574, 20.1273, 22.9468



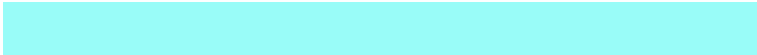
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



64.8930, 83.1737, 101.4422



63.0554, 83.5952, 103.3816



53.1322, 58.6475, 100.6188



17.7337, 19.5958, 22.0643



26.4809, 39.6054, 50.0031



2.4618, 3.6718, 4.6794

Inverse Universe

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



57.6249, 45.9148, 37.7268



54.6582, 40.5232, 29.7502



65.9890, 63.1811, 38.8562



17.2730, 17.2366, 18.0276



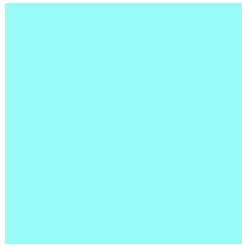
20.9537, 10.7972, 1.1988



1.9504, 1.0039, 0.1620

Previews

White Background



This preview shows how the XYZ color 64.8906, 83.1704, 101.4403 looks on a white background.

Color Contrast Check

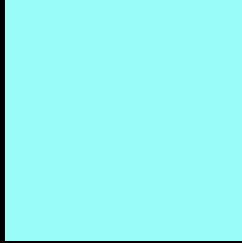
Large Text (above 18pt) WCAG AA × Fail

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 64.8906, 83.1704, 101.4403 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 64.8906, 83.1704, 101.4403

Background



This preview shows how black text looks on a background with the XYZ color 64.8906, 83.1704, 101.4403.

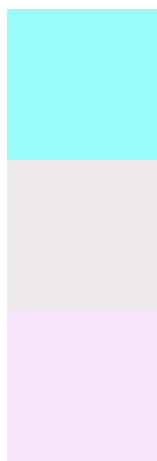


This preview shows how white text looks on a background with the XYZ color 64.8906, 83.1704,

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

64.8906, 83.1704, 101.4403

Protanopia

79.3500, 82.3968, 91.8427

Deuteranopia

83.9101, 81.9865, 104.3309



Tritanopia

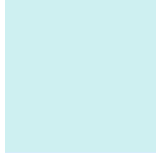
72.3487, 82.7905, 106.7747

Trichromacy



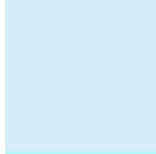
Original Color

64.8906, 83.1704, 101.4403



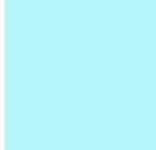
Protanomaly

72.4909, 81.7929, 95.1860



Deuteranomaly

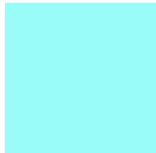
74.8486, 81.1021, 102.9761



Tritanomaly

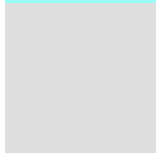
69.1169, 82.5235, 104.3812

Monochromacy



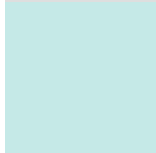
Original Color

64.8906, 83.1704, 101.4403



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

66.5887, 75.9177, 86.7453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8906, 83.1704, 101.4403 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(153, 252, 248)` looks like.

```
.text, #text, p{  
    color:rgb(153, 252, 248)  
}
```

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(153, 252, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 252, 248) }
```

Border

The CSS property to change the border of an element to XYZ 64.8906, 83.1704, 101.4403 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(153, 252, 248) }
```


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

```
.border{ border-color:rgb(153, 252, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 252, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 252, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 252, 248);  
box-shadow:4px 4px 4px 4px rgb(153, 252,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8906, 83.1704, 101.4403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 252, 248) }
```

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

```
.background{ background-color: rgb(153,  
252, 248) }
```

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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