

Converting Colors

XYZ(63.1959, 83.9048, 99.1365)

Have a look what the booklet for
XYZ(63.1959, 83.9048, 99.1365)
contains.

XYZ(63.0566, 83.6880, 99.2162)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(63.0566, 83.6880,
99.2162)**

Conversions

Conversions Part 1

Format	Color
Hex	8CFFF5
RGB	140, 255, 245
RGB Percent	55%, 100%, 96%
CMY	0.4510, 0.0000, 0.0392
CMYK	0.45, 0.00, 0.04, 0.00
HSL	175°, 100%, 77%
HSV	175°, 45%, 100%
XYZ	63.0566, 83.6880, 99.2162
YIQ	219.4750, -65.3300, -27.4900

Conversions

Conversions Part 2

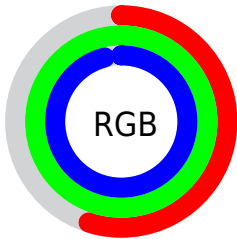
Format	Color
RYB	140, 200, 255
Decimal	9240565
CIELab	93.31, -35.10, -5.42
CIELCh	93, 35.520, 188.782
Yxy	83.6880, 0.2564, 0.3402
Android (android.graphics.Color)	4287430645 (0xFF8CFFF5)
YUV	219.4750, 12.5838, -69.6996
Hunter-Lab	91.4811, -37.0546, -0.2664

Details

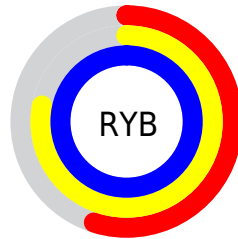
The XYZ color **63.0566, 83.6880, 99.2162** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **56.1239, 42.2195, 34.0463**, and the grayscale version is **67.6099, 71.1309, 77.4615**.

A 20% lighter version of the original color is **77.3632, 90.8821, 108.0723**, and **32.6038, 45.7246, 55.2514** is the 20% darker color. If you saturate the color by 10%, you get **58.9104, 81.5894, 97.2671**, and if you desaturate by 10%, it is **68.2045, 86.3024, 101.2362**.

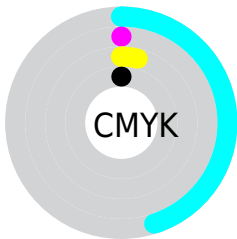
Distribution



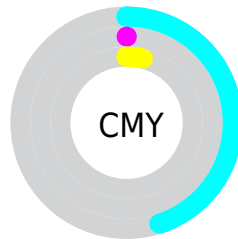
- Red (55%)
- Green (100%)
- Blue (96%)



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



- Cyan (45%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (45%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.0566, 83.6880, 99.2162 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 63.0566, 83.6880, 99.2162 by changing the saturation by 10% instead.


 63.0566, 83.6880,
99.2162

 63.0566, 83.6880,
99.2162


425.4313,
507.2766, 578.9020

 46.1458, 62.7579,
75.0329


 108.3325,
138.5387, 162.1221

 32.5660, 45.6454,
55.1379


 137.4284,
173.2280, 201.6818

 21.9518, 31.9661,
39.1128

171.3166,
213.2725, 247.2040

 13.9379, 21.3356,
26.5390

210.3626,
259.0566, 299.1073

 8.1589, 13.3695,
16.9979

254.9317,
310.9646, 357.8102

 4.2495, 7.6835,
10.0711

305.3893,

 1.8442, 3.8931,

369.3810, 423.7313

5.3399

362.1007,
434.6902, 497.2890

■ 0.5441, 1.6139,
2.3858

■ 0.0000, 0.3670,
0.7787

■ 63.0566, 83.6880,
99.2162

■ 63.0566, 83.6880,
99.2162

■ 58.9104, 81.5894,
97.2671

■ 68.2045, 86.3024,
101.2362

■ 55.6929, 79.9691,
95.3812

■ 74.4139, 89.4637,
103.3257

■ 53.3265, 78.7871,
93.5561

■ 81.7439, 93.2022,
105.4889

■ 51.7192, 77.9960,
91.7875

■ 90.2480, 97.5454,
107.7285

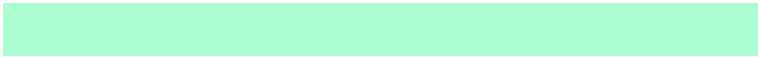
■ 50.7581, 77.5376, 95.0500, 100.0000,
90.0701 108.9000

■ 50.4436, 77.3934,
89.2428

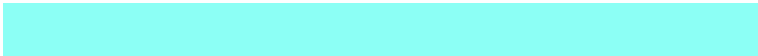
Harmonies

Analogous

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



63.9244, 83.6880, 73.7194



63.0566, 83.6880, 99.2162



66.3280, 83.6880, 127.3503

Triad

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



63.0566, 83.6880, 99.2162



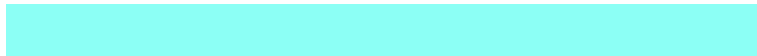
91.3508, 83.6880, 137.4714



86.2326, 83.6880, 51.0392

Complementary

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



63.0566, 83.6880, 99.2162



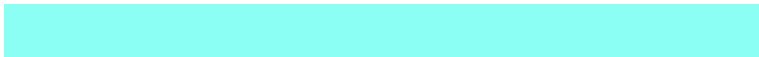
56.1239, 42.2195, 34.0463

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.



94.4060, 83.6880, 62.5121



63.0566, 83.6880, 99.2162



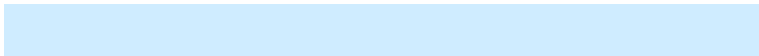
97.5183, 83.6880, 111.0681

Square

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



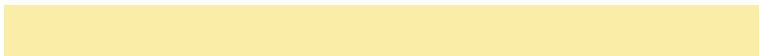
63.0566, 83.6880, 99.2162



82.3211, 83.6880, 152.1082



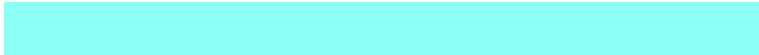
98.6782, 83.6880, 83.4805



76.8279, 83.6880, 49.1016

Rectangle

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



63.0566, 83.6880, 99.2162



70.5790, 83.6880, 142.6633



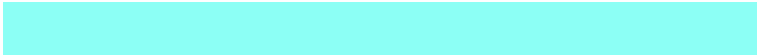
98.6782, 83.6880, 83.4805



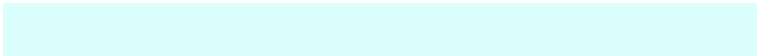
89.2354, 83.6880, 53.7827

Sweetspot

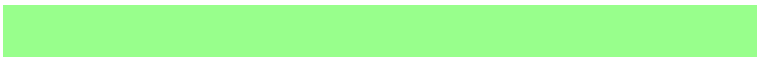
The Sweet Spot groups the original color and five complimentary colors.



63.0577, 83.6885, 99.2177



82.6180, 93.6483, 105.7307



53.3502, 80.0412, 37.4503



17.3183, 19.8581, 22.5291



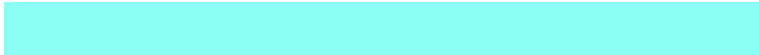
0.0000, 0.0000, 0.0000



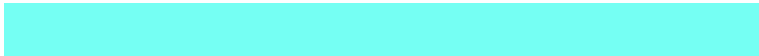
20.3446, 21.4041, 23.3091

Same Dimension

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



63.0577, 83.6885, 99.2177



59.3184, 81.7955, 97.4778



51.6668, 58.3976, 103.1565



18.4827, 20.4526, 22.8450



26.3861, 40.4511, 46.7802



2.5883, 3.9463, 4.6560

Inverse Universe

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



56.1239, 42.2195, 34.0463



51.6169, 35.6448, 25.0235



63.5334, 58.2725, 32.7117



18.0735, 18.0127, 19.0041



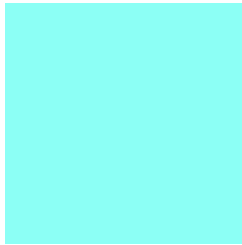
21.6471, 11.1481, 1.5261



2.1285, 1.0938, 0.2581

Previews

White Background



This preview shows how the XYZ color 63.0566, 83.6880, 99.2162 looks on a white background.

Color Contrast Check

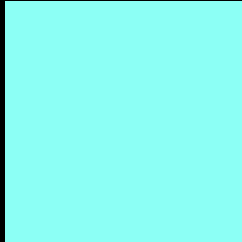
Large Text (above 18pt) WCAG AA × Fail

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 63.0566, 83.6880, 99.2162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

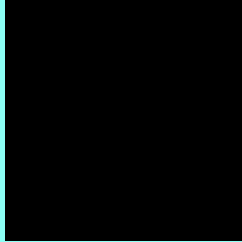
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

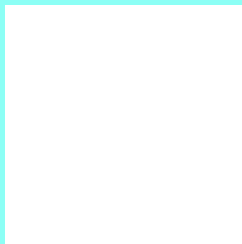
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.0566, 83.6880, 99.2162

Background



This preview shows how black text looks on a background with the XYZ color 63.0566, 83.6880, 99.2162.

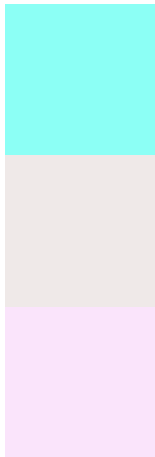


This preview shows how white text looks on a background with the XYZ color 63.0566, 83.6880,

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

63.0566, 83.6880, 99.2162

Protanopia

79.3010, 82.4547, 88.0797

Deuteranopia

84.5803, 82.7758, 102.7863



Tritanopia

72.6488, 83.3907, 106.8748

Trichromacy



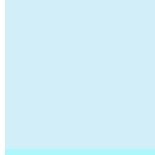
Original Color

63.0566, 83.6880, 99.2162



Protanomaly

71.3700, 81.7215, 92.1330



Deuteranomaly

74.2518, 81.6903, 101.4768



Tritanomaly

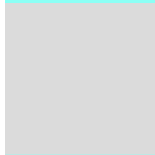
68.4355, 83.0985, 103.6995

Monochromacy



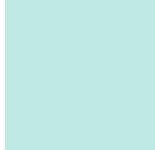
Original Color

63.0566, 83.6880, 99.2162



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

64.0954, 74.2618, 84.3546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.0566, 83.6880, 99.2162 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(140, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(140, 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(140, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 255, 245) }
```

Border

The CSS property to change the border of an element to XYZ 63.0566, 83.6880, 99.2162 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(140, 255, 245) }
```


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

```
.border{ border-color:rgb(140, 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(140, 255, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(140, 255,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 63.0566, 83.6880, 99.2162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 255, 245) }
```

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

```
.background{ background-color: rgb(140,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor