

Converting Colors

XYZ(63.9620, 84.2530, 94.8183)

Have a look what the booklet for
XYZ(63.9620, 84.2530, 94.8183)
contains.

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Color

**XYZ(63.9177, 84.2360,
94.5517)**

Conversions

Conversions Part 1

Format	Color
Hex	96FFEF
RGB	150, 255, 239
RGB Percent	59%, 100%, 94%
CMY	0.4117, 0.0000, 0.0627
CMYK	0.41, 0.00, 0.06, 0.00
HSL	171°, 100%, 79%
HSV	171°, 41%, 100%
XYZ	63.9177, 84.2360, 94.5517
YIQ	221.7810, -57.4440, -27.2360

Conversions

Conversions Part 2

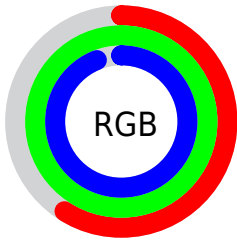
Format	Color
RYB	150, 207, 255
Decimal	9895919
CIELab	93.55, -34.15, -1.93
CIELCh	94, 34.208, 183.226
Yxy	84.2360, 0.2634, 0.3471
Android (android.graphics.Color)	4288085999 (0xFF96FFEF)
YUV	221.7810, 8.4890, -62.9519
Hunter-Lab	91.7802, -36.3040, 3.1657

Details

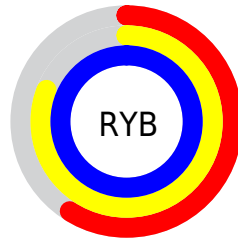
The XYZ color **63.9177, 84.2360, 94.5517** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **59.0302, 45.8273, 41.8119**, and the grayscale version is **69.2479, 72.8542, 79.3382**.

A 20% lighter version of the original color is **79.8224, 92.1499, 108.1874**, and **33.1550, 46.0824, 51.9471** is the 20% darker color. If you saturate the color by 10%, you get **59.1575, 81.8476, 91.3657**, and if you desaturate by 10%, it is **69.7132, 87.1567, 97.8534**.

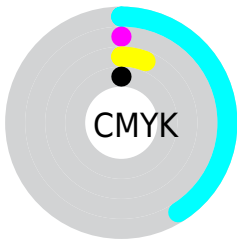
Distribution



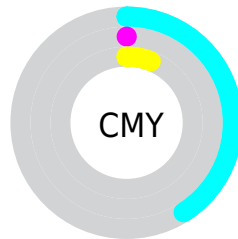
- Red (59%)
- Green (100%)
- Blue (94%)



- Red (59%)
- Yellow (81%)
- Blue (100%)



- Cyan (41%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (41%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.9177, 84.2360, 94.5517 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 63.9177, 84.2360, 94.5517 by changing the saturation by 10% instead.


 63.9177, 84.2360,
94.5517

 63.9177, 84.2360,
94.5517


428.4993,
509.0966, 563.6764

 46.8455, 63.2103,
71.1671


 109.5668,
139.3053, 155.6354

 33.1209, 46.0114,
51.9959


 138.8744,
174.1176, 194.1715

 22.3788, 32.2548,
36.6196


172.9911,
214.2943, 238.5952

 14.2536, 21.5562,
24.6196

212.2823,
260.2197, 289.3250

 8.3802, 13.5312,
15.5774

257.1134,
312.2783, 346.7795

 4.3930, 7.7953,
9.0745

307.8497,

 1.9268, 3.9643,

370.8543, 411.3772

4.6924

364.8565,
436.3323, 483.5367

■ 0.5923, 1.6536,
2.0124

■ 0.0000, 0.3933,
0.5629

■ 63.9177, 84.2360,
94.5517

■ 63.9177, 84.2360,
94.5517

■ 59.1575, 81.8476,
91.3657

■ 69.7132, 87.1567,
97.8534

■ 55.3625, 79.9555,
88.2875

■ 76.6020, 90.6395,
101.2697

■ 52.4589, 78.5214,
85.3146

■ 84.6411, 94.7139,
104.8050

■ 50.3605, 77.5011,
82.4427

■ 93.8830, 99.4069,
108.4622

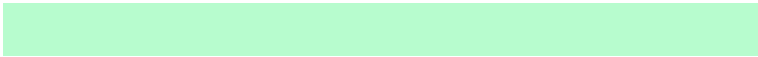
■ 48.9641, 76.8412, 95.0500, 100.0000,
79.6663 108.9000

■ 48.1735, 76.4854,
77.2887

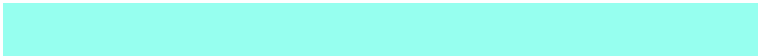
Harmonies

Analogous

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



65.5124, 84.2360, 71.0524



63.9177, 84.2360, 94.5517



66.3728, 84.2360, 121.8230

Triad

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



63.9177, 84.2360, 94.5517



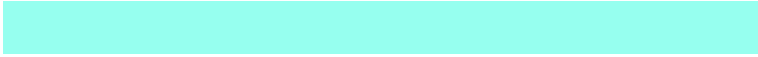
89.9814, 84.2360, 140.0378



88.1605, 84.2360, 54.0349

Complementary

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



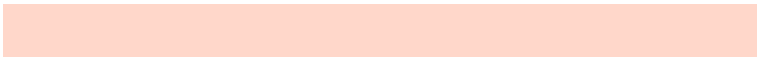
63.9177, 84.2360, 94.5517



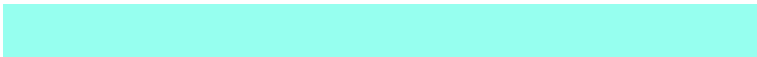
59.0302, 45.8273, 41.8119

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.



95.5189, 84.2360, 67.0336



63.9177, 84.2360, 94.5517



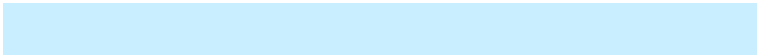
96.6246, 84.2360, 116.0477

Square

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



63.9177, 84.2360, 94.5517



81.0470, 84.2360, 151.0100



98.7228, 84.2360, 88.9428



79.0886, 84.2360, 50.4197

Rectangle

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



63.9177, 84.2360, 94.5517



70.0924, 84.2360, 137.7046



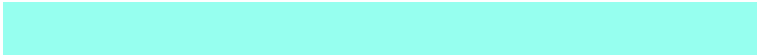
98.7228, 84.2360, 88.9428



90.9386, 84.2360, 57.3135

Sweetspot

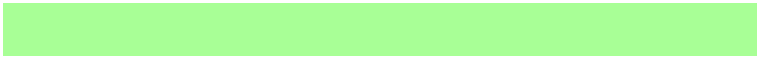
The Sweet Spot groups the original color and five complimentary colors.



63.9187, 84.2365, 94.5532



83.9329, 94.3546, 104.5087



57.3083, 81.9926, 41.6617



17.7287, 20.0759, 22.2691



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

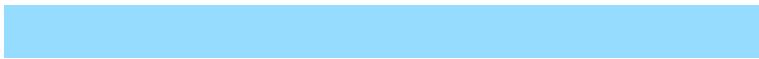
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.9187, 84.2365, 94.5532



60.1083, 82.3237, 92.0495



56.2220, 64.8916, 104.1699



18.4289, 20.4311, 22.5615



25.2167, 39.9833, 40.6219



2.4860, 3.9053, 4.1173

Inverse Universe

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



59.0302, 45.8273, 41.8119



54.6612, 39.4113, 33.1971



64.0949, 58.1613, 36.7040



18.1222, 18.0322, 19.2605



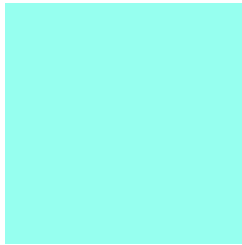
21.7723, 11.1982, 2.1855



2.1513, 1.1029, 0.3784

Previews

White Background



This preview shows how the XYZ color 63.9177, 84.2360, 94.5517 looks on a white background.

Color Contrast Check

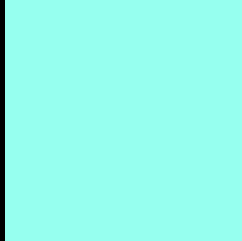
Large Text (above 18pt) WCAG AA × Fail

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 63.9177, 84.2360, 94.5517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

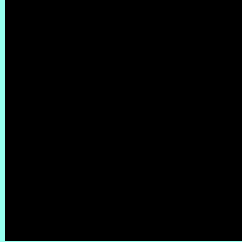
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

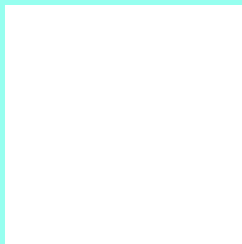
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.9177, 84.2360, 94.5517

Background



This preview shows how black text looks on a background with the XYZ color 63.9177, 84.2360, 94.5517.

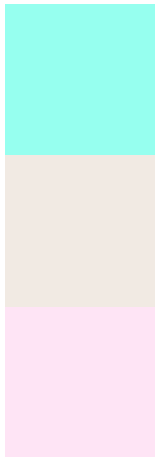


This preview shows how white text looks on a background with the XYZ color 63.9177, 84.2360,

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

63.9177, 84.2360, 94.5517

Protanopia

79.5636, 83.0925, 84.5180

Deuteranopia

85.0979, 83.1502, 97.9507



Tritanopia

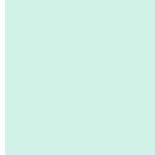
73.6894, 83.9271, 106.9235

Trichromacy



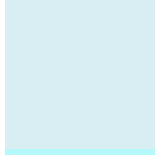
Original Color

63.9177, 84.2360, 94.5517



Protanomaly

72.1884, 82.6837, 87.7561



Deuteranomaly

75.0711, 82.2191, 96.7072



Tritanomaly

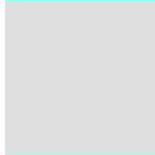
69.7223, 83.7981, 102.1224

Monochromacy



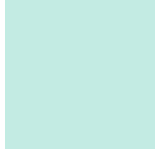
Original Color

63.9177, 84.2360, 94.5517



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

66.1914, 76.1828, 84.6149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9177, 84.2360, 94.5517 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(150, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(150, 255, 239)  
}
```

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(150, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 255, 239) }
```

Border

The CSS property to change the border of an element to XYZ 63.9177, 84.2360, 94.5517 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(150, 255, 239) }
```


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

```
.border{ border-color:rgb(150, 255, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(150, 255,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9177, 84.2360, 94.5517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 255, 239) }
```

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

```
.background{ background-color: rgb(150,  
255, 239) }
```

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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