

Converting Colors

XYZ(64.5225, 84.4269,
100.0407)

Have a look what the booklet for
XYZ(64.5225, 84.4269, 100.0407)
contains.

XYZ(64.6073, 84.4697, 100.0879)	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(64.6073, 84.4697,
100.0879)**

Conversions

Conversions Part 1

Format	Color
Hex	94FFF6
RGB	148, 255, 246
RGB Percent	58%, 100%, 96%
CMY	0.4196, 0.0000, 0.0353
CMYK	0.42, 0.00, 0.04, 0.00
HSL	175°, 100%, 79%
HSV	175°, 42%, 100%
XYZ	64.6073, 84.4697, 100.0879
YIQ	221.9810, -60.8830, -25.4830

Conversions

Conversions Part 2

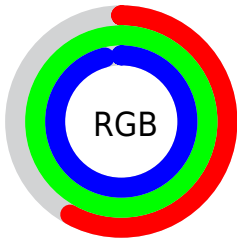
Format	Color
R_{YB}	148, 204, 255
Decimal	9764854
CIE _{Lab}	93.65, -33.02, -5.40
CIE _{LCh}	94, 33.459, 189.295
Yxy	84.4697, 0.2593, 0.3390
Android (android.graphics.Color)	4287954934 (0xFF94FFF6)
YUV	221.9810, 11.8414, -64.8813
Hunter-Lab	91.9074, -35.3594, -0.2321

Details

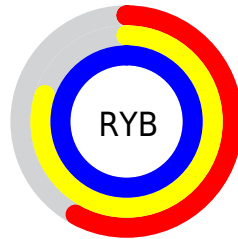
The XYZ color **64.6073, 84.4697, 100.0879** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.9166, 44.8756, 37.5088**, and the grayscale version is **69.3678, 72.9804, 79.4756**.

A 20% lighter version of the original color is **79.5421, 92.0054, 108.1742**, and **33.6082, 46.2297, 55.8671** is the 20% darker color. If you saturate the color by 10%, you get **60.1651, 82.2175, 98.1729**, and if you desaturate by 10%, it is **70.0713, 87.2483, 102.0735**.

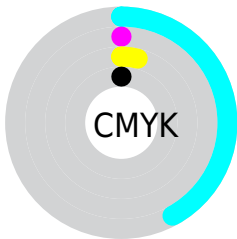
Distribution



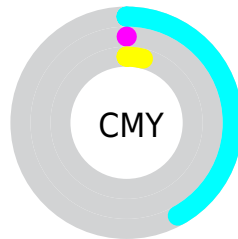
- Red (58%)
- Green (100%)
- Blue (96%)



- Red (58%)
- Yellow (80%)
- Blue (100%)



- Cyan (42%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)



- Cyan (42%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6073, 84.4697, 100.0879 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 64.6073, 84.4697, 100.0879 by changing the saturation by 10% instead.

64.6073, 84.4697,
100.0879

64.6073, 84.4697,
100.0879

430.9470,
509.8717, 581.7235

47.4062, 63.4033,
75.7567

110.5539,
139.6320, 163.3309

33.5662, 46.1676,
55.7275

140.0302,
174.4967, 203.0797

22.7219, 32.3781,
39.5820

174.3290,
214.7297, 248.8049

14.5078, 21.6504,
26.9015

213.8155,
260.7153, 300.9248

8.5588, 13.6003,
17.2675

258.8553,
312.8379, 359.8581

4.5093, 7.8432,
10.2614

309.8135,

1.9941, 3.9948,

371.4819, 426.0233

5.4647

367.0556,
437.0317, 499.8389

■ 0.6307, 1.6706,
2.4590

■ 0.0000, 0.4045,
0.8183

■ 64.6073, 84.4697,
100.0879

■ 64.6073, 84.4697,
100.0879

■ 60.1651, 82.2175,
98.1729

■ 70.0713, 87.2483,
102.0735

■ 56.6741, 80.4552,
96.3208

■ 76.6153, 90.5831,
104.1280

■ 54.0598, 79.1444,
94.5293

■ 84.2968, 94.5039,
106.2558

■ 52.2350, 78.2402,
92.7945

■ 93.1683, 99.0378,
108.4592

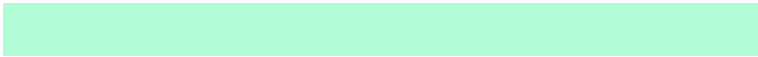
■ 51.0946, 77.6884, 95.0500, 100.0000,
91.1113 108.9000

■ 50.5474, 77.4350,
89.7893

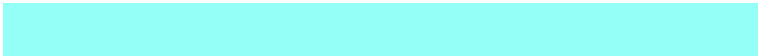
Harmonies

Analogous

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



65.3693, 84.4697, 75.7660



64.6073, 84.4697, 100.0879



67.8002, 84.4697, 126.4947

Triad

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



64.6073, 84.4697, 100.0879



91.5757, 84.4697, 135.1762



86.4664, 84.4697, 53.4398

Complementary

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



64.6073, 84.4697, 100.0879



57.9166, 44.8756, 37.5088

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.



94.2175, 84.4697, 64.3841



64.6073, 84.4697, 100.0879



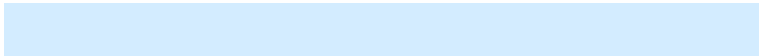
97.3148, 84.4697, 110.3408

Square

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



64.6073, 84.4697, 100.0879



83.0715, 84.4697, 149.0706



98.3156, 84.4697, 84.3093



77.5633, 84.4697, 51.7092

Rectangle

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



64.6073, 84.4697, 100.0879



71.8904, 84.4697, 140.6721



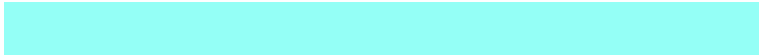
98.3156, 84.4697, 84.3093



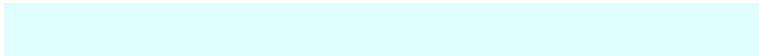
89.3108, 84.4697, 56.0520

Sweetspot

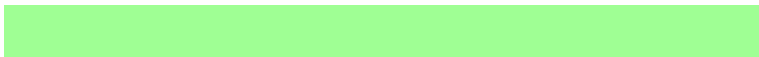
The Sweet Spot groups the original color and five complimentary colors.



64.6084, 84.4702, 100.0894



83.4426, 94.0677, 106.0308



55.3451, 80.9990, 40.7362



17.4815, 19.9410, 22.5934



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

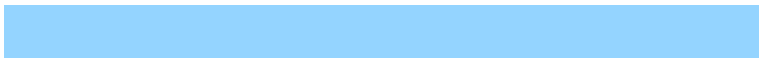
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.6084, 84.4702, 100.0894



60.9584, 82.6190, 98.5432



53.8575, 60.7042, 103.4862



18.4851, 20.4536, 22.8573



26.4396, 40.4724, 47.0615



2.5930, 3.9481, 4.6804

Inverse Universe

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



57.9166, 44.8756, 37.5088



53.4977, 38.4097, 28.7235



65.1734, 60.5738, 36.2757



18.0714, 18.0119, 18.9930



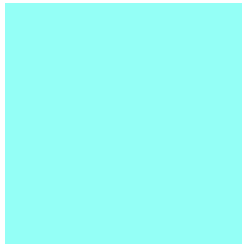
21.6429, 11.1465, 1.5043



2.1275, 1.0934, 0.2529

Previews

White Background



This preview shows how the XYZ color 64.6073, 84.4697, 100.0879 looks on a white background.

Color Contrast Check

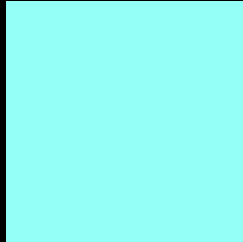
Large Text (above 18pt) WCAG AA × Fail

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 64.6073, 84.4697, 100.0879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

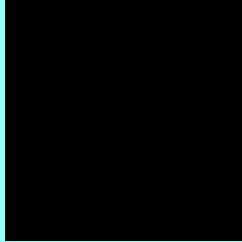
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.6073, 84.4697, 100.0879

Background



This preview shows how black text looks on a background with the XYZ color 64.6073, 84.4697, 100.0879.

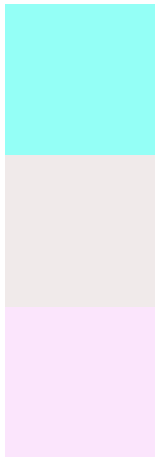


This preview shows how white text looks on a background with the XYZ color 64.6073, 84.4697,

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

64.6073, 84.4697, 100.0879

Protanopia

80.2093, 83.3114, 89.6951

Deuteranopia

85.3737, 83.5761, 103.7276



Tritanopia

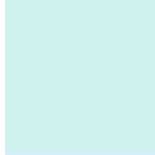
73.6894, 83.9271, 106.9235

Trichromacy



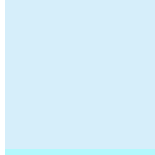
Original Color

64.6073, 84.4697, 100.0879



Protanomaly

72.9169, 82.9427, 93.0553



Deuteranomaly

75.5614, 82.3473, 102.3546



Tritanomaly

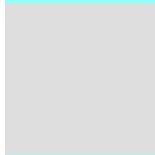
69.9605, 83.8664, 104.5960

Monochromacy



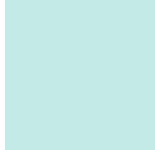
Original Color

64.6073, 84.4697, 100.0879



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

66.3523, 76.2173, 86.8156

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6073, 84.4697, 100.0879 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(148, 255, 246)` looks like.

```
.text, #text, p{  
    color:rgb(148, 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(148, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 255, 246) }
```

Border

The CSS property to change the border of an element to XYZ 64.6073, 84.4697, 100.0879 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(148, 255, 246) }
```


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

```
.border{ border-color:rgb(148, 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(148, 255, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(148, 255,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6073, 84.4697, 100.0879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 255, 246) }
```

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

```
.background{ background-color: rgb(148,  
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](#).

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