

Converting Colors

XYZ(99.5849, 154.1969,
108.9539)

Have a look what the booklet for
XYZ(99.5849, 154.1969, 108.9539)
contains.

XYZ(64.8866, 84.6665, 97.7164)	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(64.8866, 84.6665,
97.7164)**

Conversions

Conversions Part 1

Format	Color
Hex	98FFF3
RGB	152, 255, 243
RGB Percent	60%, 100%, 95%
CMY	0.4039, 0.0000, 0.0471
CMYK	0.40, 0.00, 0.05, 0.00
HSL	173°, 100%, 80%
HSV	173°, 40%, 100%
XYZ	64.8866, 84.6665, 97.7164
YIQ	222.8350, -57.5360, -25.5680

Conversions

Conversions Part 2

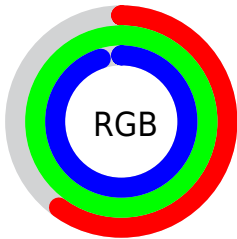
Format	Color
R_{YB}	152, 207, 255
Decimal	10026995
CIE _{Lab}	93.74, -32.75, -3.71
CIE _{LCh}	94, 32.964, 186.461
Yxy	84.6665, 0.2624, 0.3424
Android (android.graphics.Color)	4288217075 (0xFF98FFF3)
YUV	222.8350, 9.9413, -62.1223
Hunter-Lab	92.0144, -35.1508, 1.4460

Details

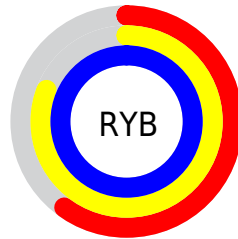
The XYZ color **64.8866, 84.6665, 97.7164** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **59.1700, 46.3983, 40.9602**, and the grayscale version is **69.9833, 73.6279, 80.1807**.

A 20% lighter version of the original color is **80.3883, 92.4416, 108.2138**, and **33.7798, 46.3557, 54.1809** is the 20% darker color. If you saturate the color by 10%, you get **60.1716, 82.2872, 95.1741**, and if you desaturate by 10%, it is **70.6368, 87.5786, 100.3479**.

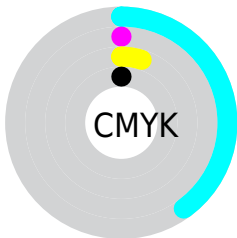
Distribution



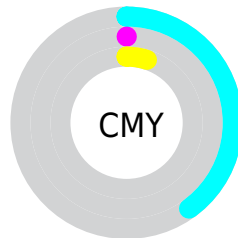
- Red (60%)
- Green (100%)
- Blue (95%)



- Red (60%)
- Yellow (81%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)



- Cyan (40%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8866, 84.6665, 97.7164 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 64.8866, 84.6665, 97.7164 by changing the saturation by 10% instead.

64.8866, 84.6665,
97.7164

64.8866, 84.6665,
97.7164

431.9360,
510.5239, 574.0302

47.6335, 63.5659,
73.7886

110.9534,
139.9071, 160.0398

33.7468, 46.2991,
54.1253

140.4979,
174.8159, 199.2725

22.8611, 32.4819,
38.3080

174.8701,
215.0962, 244.4439

14.6111, 21.7299,
25.9181

214.4355,
261.1324, 295.9725

8.6314, 13.6586,
16.5372

259.5595,
313.3088, 354.2769

4.5568, 7.8836,
9.7466

310.6073,

2.0217, 4.0205,

372.0100, 419.7756

5.1279

367.9443,
437.6202, 492.8872

■ 0.6461, 1.6851,
2.2624

■ 0.0000, 0.4140,
0.7101

■ 64.8866, 84.6665,
97.7164

■ 64.8866, 84.6665,
97.7164

■ 60.1716, 82.2872,
95.1741

■ 70.6368, 87.5786,
100.3479

■ 56.4222, 80.4049,
92.7132

■ 77.4797, 91.0531,
103.0672

■ 53.5655, 78.9820,
90.3317

■ 85.4721, 95.1194,
105.8786

■ 51.5163, 77.9745,
88.0253

94.6659, 99.8042,
108.7846

■ 50.1731, 77.3301,
85.7892

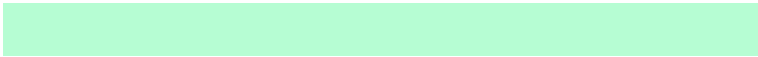
95.0500, 100.0000,
108.9000

■ 49.3908, 76.9723,
83.6990

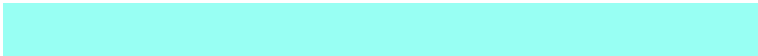
Harmonies

Analogous

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



66.0133, 84.6665, 74.2524



64.8866, 84.6665, 97.7164



67.6862, 84.6665, 123.8884

Triad

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



64.8866, 84.6665, 97.7164



90.8909, 84.6665, 136.6225



87.3808, 84.6665, 54.6937

Complementary

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



64.8866, 84.6665, 97.7164



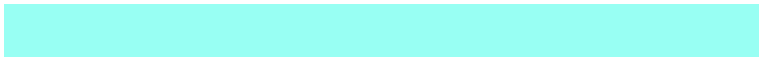
59.1700, 46.3983, 40.9602

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.



94.7765, 84.6665, 66.4157



64.8866, 84.6665, 97.7164



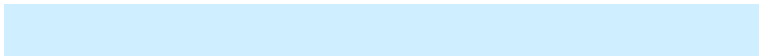
96.9036, 84.6665, 112.8003

Square

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



64.8866, 84.6665, 97.7164



82.3811, 84.6665, 148.8308



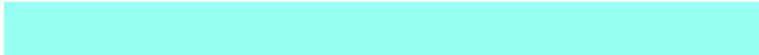
98.3745, 84.6665, 86.8710



78.5946, 84.6665, 52.1204

Rectangle

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



64.8866, 84.6665, 97.7164



71.5309, 84.6665, 138.4628



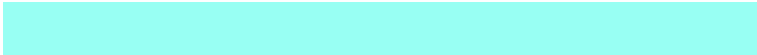
98.3745, 84.6665, 86.8710



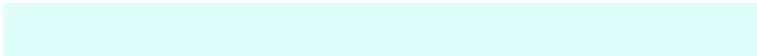
90.1308, 84.6665, 57.5761

Sweetspot

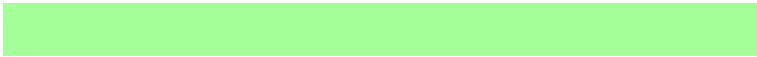
The Sweet Spot groups the original color and five complimentary colors.



64.8876, 84.6670, 97.7179



84.1059, 94.4238, 105.4198



56.7419, 81.6818, 42.4831



17.7697, 20.0923, 22.4848



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

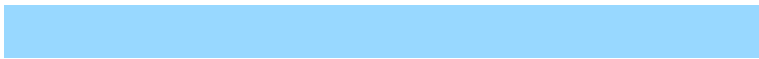
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.8876, 84.6670, 97.7179



61.2084, 82.8095, 95.7745



55.4323, 62.7611, 103.8002



18.4584, 20.4429, 22.7167



25.8441, 40.2342, 43.9257



2.5411, 3.9274, 4.4071

Inverse Universe

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



59.1700, 46.3983, 40.9602



54.8282, 40.0279, 32.3820



65.6448, 61.0010, 38.0221



18.0954, 18.0215, 19.1196



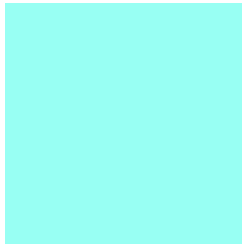
21.6963, 11.1678, 1.7853



2.1388, 1.0979, 0.3124

Previews

White Background



This preview shows how the XYZ color 64.8866, 84.6665, 97.7164 looks on a white background.

Color Contrast Check

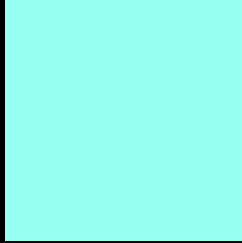
Large Text (above 18pt) WCAG AA × Fail

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 64.8866, 84.6665, 97.7164 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 64.8866, 84.6665, 97.7164

Background



This preview shows how black text looks on a background with the XYZ color 64.8866, 84.6665, 97.7164.

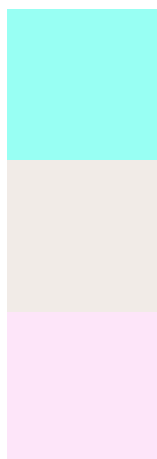


This preview shows how white text looks on a background with the XYZ color 64.8866, 84.6665,

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

64.8866, 84.6665, 97.7164

Protanopia

80.4078, 83.8870, 87.5552

Deuteranopia

85.6262, 83.7608, 101.2770



Tritanopia

74.2201, 84.2007, 106.9483

Trichromacy



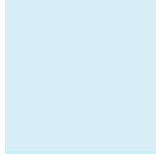
Original Color

64.8866, 84.6665, 97.7164



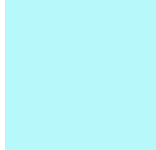
Protanomaly

73.0420, 83.0577, 90.7793



Deuteranomaly

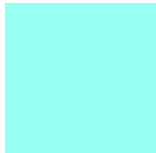
75.6819, 82.4634, 99.9239



Tritanomaly

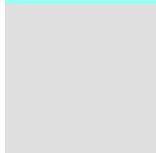
70.5084, 84.1671, 103.7965

Monochromacy



Original Color

64.8866, 84.6665, 97.7164



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

67.0172, 77.0001, 86.1932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8866, 84.6665, 97.7164 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(152, 255, 243)` looks like.

```
.text, #text, p{  
    color:rgb(152, 255, 243)  
}
```

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(152, 255, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 255, 243) }
```

Border

The CSS property to change the border of an element to XYZ 64.8866, 84.6665, 97.7164 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(152, 255, 243) }
```


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

```
.border{ border-color:rgb(152, 255, 243) }
```

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

Here you see how a box with a 4 pixel rgb(152, 255, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 255, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 255, 243);  
box-shadow:4px 4px 4px 4px rgb(152, 255,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8866, 84.6665, 97.7164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 255, 243) }
```

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

```
.background{ background-color: rgb(152,  
255, 243) }
```

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