

# Converting Colors

XYZ(65.6083, 84.9769,  
100.5359)

Have a look what the booklet for  
XYZ(65.6083, 84.9769, 100.5359)  
contains.

<b>XYZ(65.6854, 85.0077, 100.9418)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(65.6854, 85.0077,  
100.9418)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99FFF7
RGB	153, 255, 247
RGB Percent	60%, 100%, 97%
CMY	0.4000, 0.0000, 0.0314
CMYK	0.40, 0.00, 0.03, 0.00
HSL	175°, 100%, 80%
HSV	175°, 40%, 100%
XYZ	65.6854, 85.0077, 100.9418
YIQ	223.5900, -58.2240, -24.1120

# Conversions

## Conversions Part 2

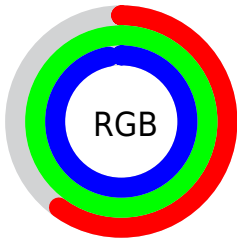
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	153, 206, 255
Decimal	10092535
CIE <sub>Lab</sub>	93.89, -31.59, -5.56
CIE <sub>LCh</sub>	94, 32.074, 189.974
Yxy	85.0077, 0.2610, 0.3378
Android (android.graphics.Color)	4288282615 (0xFF99FFF7)
YUV	223.5900, 11.5411, -61.9074
Hunter-Lab	92.1996, -34.1813, -0.3720

# Details

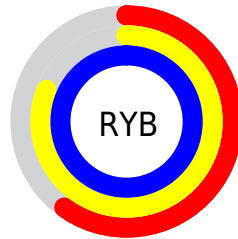
The XYZ color **65.6854, 85.0077, 100.9418** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **59.0652, 46.6172, 39.6044**, and the grayscale version is **70.5093, 74.1813, 80.7834**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **34.3174, 46.5827, 56.4729** is the 20% darker color. If you saturate the color by 10%, you get **61.0695, 82.6636, 99.1249**, and if you desaturate by 10%, it is **71.3352, 87.8844, 102.8273**.

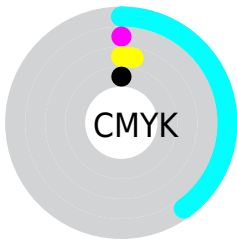
# Distribution



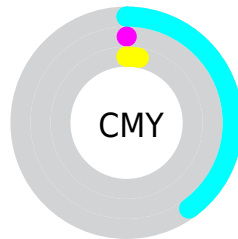
- Red (60%)
- Green (100%)
- Blue (97%)



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



- Cyan (40%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)



- Cyan (40%)
- Magenta (0%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.6854, 85.0077, 100.9418 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 65.6854, 85.0077, 100.9418 by changing the saturation by 10% instead.





 65.6854, 85.0077,  
100.9418


 65.6854, 85.0077,  
100.9418


434.7573,  
511.6535, 584.4804

 48.2838, 63.8477,  
76.4660


 112.0949,  
140.3839, 164.5140

 34.2639, 46.5274,  
56.3058


 141.8336,  
175.3690, 204.4475

 23.2603, 32.6622,  
40.0425


176.4153,  
215.7312, 250.3707

 14.9075, 21.8678,  
27.2577

216.2054,  
261.8550, 302.7020

 8.8404, 13.7598,  
17.5327

261.5693,  
314.1247, 361.8602

 4.6935, 7.9538,  
10.4490

312.8724,

 2.1015, 4.0654,

372.9248, 428.2636

5.5882

370.4799,  
438.6396, 502.3308

0.6900, 1.7102,  
2.5316

0.0000, 0.4303,  
0.8569

65.6854, 85.0077,  
100.9418

65.6854, 85.0077,  
100.9418

61.0695, 82.6636,  
99.1249

71.3352, 87.8844,  
102.8273

57.4180, 80.8163,  
97.3688

78.0758, 91.3231,  
104.7797

54.6583, 79.4283,  
95.6717

85.9640, 95.3530,  
106.8033

52.7059, 78.4561,  
94.0295

95.0500, 100.0000,  
108.9000

■ 51.4600, 77.8478,  
92.4374

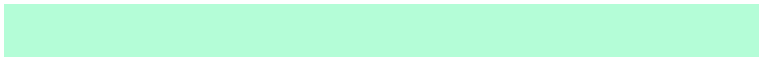
■ 50.7560, 77.5184,  
90.8876

■ 50.7559, 77.5184,  
90.8874

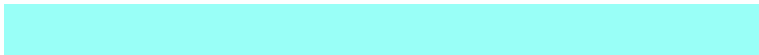
# Harmonies

## Analogous

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



66.3360, 85.0077, 77.3760



65.6854, 85.0077, 100.9418



68.8600, 85.0077, 126.1628

# Triad

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



65.6854, 85.0077, 100.9418



91.8077, 85.0077, 133.4595



86.5497, 85.0077, 55.0450

# Complementary

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



65.6854, 85.0077, 100.9418



59.0652, 46.6172, 39.6044

# 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.



94.0401, 85.0077, 65.5242



65.6854, 85.0077, 100.9418



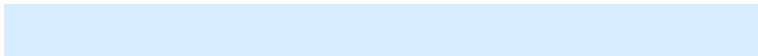
97.2209, 85.0077, 109.6085

# Square

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



65.6854, 85.0077, 100.9418



83.6736, 85.0077, 147.0060



98.0655, 85.0077, 84.6535



77.9876, 85.0077, 53.5510



# Rectangle

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



65.6854, 85.0077, 100.9418



72.8589, 85.0077, 139.5161



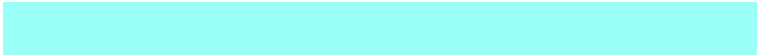
98.0655, 85.0077, 84.6535



89.2923, 85.0077, 57.5329

# Sweetspot

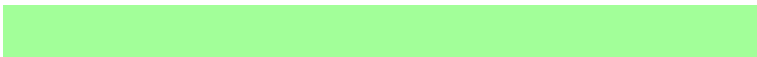
The Sweet Spot groups the original color and five complimentary colors.



65.6865, 85.0082, 100.9433



84.2906, 94.4977, 106.3924



56.3099, 81.4496, 42.8924



17.8134, 20.1098, 22.7153



0.0000, 0.0000, 0.0000

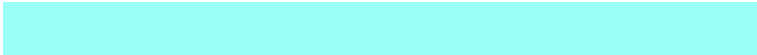


20.3446, 21.4041, 23.3091

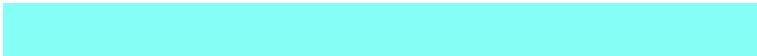


# Same Dimension

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



65.6865, 85.0082, 100.9433



61.9127, 83.0912, 99.4831



54.8568, 61.3310, 103.5545



18.4898, 20.4554, 22.8821



26.5469, 40.5153, 47.6266



2.6023, 3.9518, 4.7295



# Inverse Universe

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



59.0652, 46.6172, 39.6044



54.4703, 39.8847, 30.4969



66.6180, 62.8159, 38.7524



18.0672, 18.0102, 18.9709



21.6350, 11.1433, 1.4624

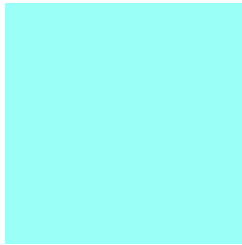


2.1255, 1.0926, 0.2424



# Previews

## White Background



This preview shows how the XYZ color 65.6854, 85.0077, 100.9418 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

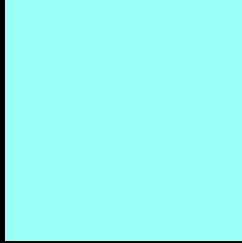
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.6854, 85.0077, 100.9418 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

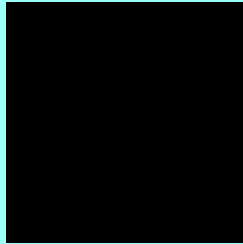
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

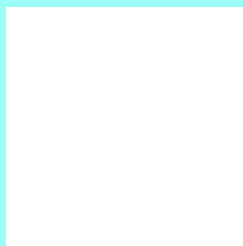
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 65.6854, 85.0077, 100.9418

## Background



This preview shows how black text looks on a background with the XYZ color 65.6854, 85.0077, 100.9418.



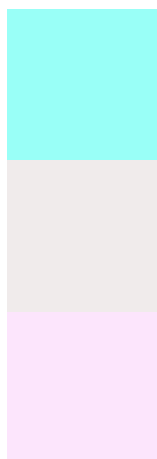
This preview shows how white text looks on a background with the XYZ color 65.6854, 85.0077,



# 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

65.6854, 85.0077, 100.9418

### Protanopia

80.6389, 83.9401, 90.5492

### Deuteranopia

85.7349, 83.7623, 103.7445



## Tritanopia

74.7578, 84.4779, 106.9735

# Trichromacy



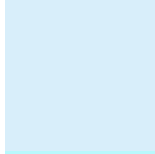
## Original Color

65.6854, 85.0077, 100.9418



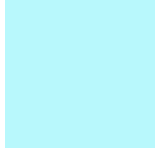
## Protanomaly

73.3445, 83.1462, 93.8445



## Deuteranomaly

76.1488, 82.6501, 102.3821



## Tritanomaly

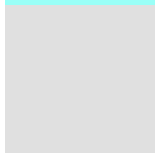
70.9053, 84.3534, 104.6402

# Monochromacy



## Original Color

65.6854, 85.0077, 100.9418



## Achromatopsia

70.8507, 74.5404, 81.1745



## Achromatomaly

67.5625, 77.2486, 87.6935

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.6854, 85.0077, 100.9418 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, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 247)  
}
```

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, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 65.6854, 85.0077, 100.9418 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, 255, 247) }
```



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

```
.border{ border-color:rgb(153, 255, 247) }
```

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

Here you see how a box with a 4 pixel rgb(153, 255, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.6854, 85.0077, 100.9418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 247) }
```

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

```
.background{ background-color: rgb(153,  
255, 247) }
```

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