

# Converting Colors

XYZ(71.0345, 85.1024,  
148.5970)

Have a look what the booklet for  
XYZ(71.0345, 85.1024, 148.5970)  
contains.

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# Color

**XYZ(63.3416, 82.2441,  
107.1440)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 8AFCFF                       |
| RGB         | 138, 252, 255                |
| RGB Percent | 54%, 99%, 100%               |
| CMY         | 0.4588, 0.0117, 0.0000       |
| CMYK        | 0.46, 0.01, 0.00, 0.00       |
| HSL         | 182°, 100%, 77%              |
| HSV         | 182°, 46%, 100%              |
| XYZ         | 63.3416, 82.2441, 107.1440   |
| YIQ         | 218.2560, -68.9070, -23.2350 |

# Conversions

## Conversions Part 2

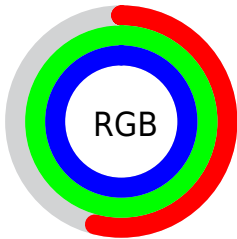
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>R<sub>YB</sub></b>               | 138, 196, 255                  |
| Decimal                             | 9108735                        |
| CIE <sub>Lab</sub>                  | 92.68, -31.72, -11.55          |
| CIE <sub>LCh</sub>                  | 93, 33.758, 200.000            |
| Yxy                                 | 82.2441, 0.2506,<br>0.3254     |
| Android<br>(android.graphics.Color) | 4287298815<br>(0xFF8AFCFF)     |
| YUV                                 | 218.2560, 18.1148,<br>-70.3845 |
| Hunter-Lab                          | 90.6885, -34.0312,<br>-6.5662  |

# Details

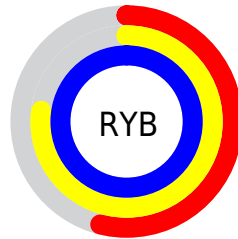
The XYZ color **63.3416, 82.2441, 107.1440** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.3528, 42.1450, 29.2640**, and the grayscale version is **66.7321, 70.2074, 76.4558**.

A 20% lighter version of the original color is **77.0987, 90.7458, 108.0599**, and **32.6886, 44.6439, 60.3203** is the 20% darker color. If you saturate the color by 10%, you get **59.4036, 79.9120, 106.9014**, and if you desaturate by 10%, it is **68.2750, 85.0942, 107.4341**.

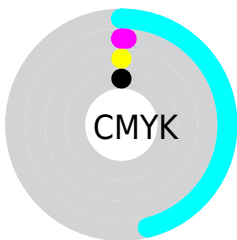
# Distribution



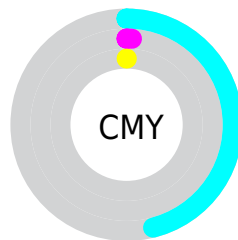
- Red (54%)
- Green (99%)
- Blue (100%)



- Red (54%)
- Yellow (77%)
- Blue (100%)



- Cyan (46%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)




- Cyan (46%)
- Magenta (1%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.3416, 82.2441, 107.1440 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 63.3416, 82.2441, 107.1440 by changing the saturation by 10% instead.




 63.3416, 82.2441,  
107.1440


 63.3416, 82.2441,  
107.1440


426.4482,  
502.4638, 604.3034

 46.3773, 61.5668,  
81.6300


 108.7412,  
136.5163, 173.0777

 32.7495, 44.6827,  
60.5266


 137.9073,  
170.8799, 214.3346

 22.0930, 31.2076,  
43.4151

171.8713,  
210.5744, 261.6761

 14.0422, 20.7570,  
29.8772

210.9986,  
255.9841, 315.5209

 8.2319, 12.9465,  
19.4941

255.6546,  
307.4936, 376.2875

 4.2968, 7.3917,  
11.8474

306.2046,

 1.8714, 3.7083,

365.4871, 444.3944

6.5186

363.0140,  
430.3490, 520.2602

■ 0.5601, 1.5117,  
3.0891

■ 0.0000, 0.2970,  
1.1403

■ 63.3416, 82.2441,  
107.1440

■ 63.3416, 82.2441,  
107.1440

■ 59.4036, 79.9120,  
106.9014

■ 68.2750, 85.0942,  
107.4341

■ 56.3840, 78.0525,  
106.7016

■ 74.2607, 88.4860,  
107.7733

■ 54.2054, 76.6277,  
106.5414

■ 81.3592, 92.4524,  
108.1648

■ 52.7749, 75.5894,  
106.4164

■ 89.6245, 97.0214,  
108.6110

■ 51.9768, 74.8783,  
106.3212

95.0500, 100.0000,  
108.9000

■ 51.7623, 74.6445,  
106.2874

# Harmonies

## Analogous

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



62.6812, 82.2441, 81.4060



63.3416, 82.2441, 107.1440



67.8034, 82.2441, 131.9769

# Triad

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



63.3416, 82.2441, 107.1440



91.8439, 82.2441, 124.4008



81.1419, 82.2441, 49.8432

# Complementary

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



63.3416, 82.2441, 107.1440



55.3528, 42.1450, 29.2640

# 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.



89.5440, 82.2441, 57.3559



63.3416, 82.2441, 107.1440



96.0220, 82.2441, 98.2195

# Square

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



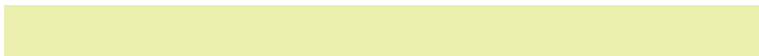
63.3416, 82.2441, 107.1440



84.0941, 82.2441, 143.1625



95.1501, 82.2441, 73.9956



72.5319, 82.2441, 51.3353



# Rectangle

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



63.3416, 82.2441, 107.1440



72.5320, 82.2441, 143.1627



95.1501, 82.2441, 73.9956



84.0940, 82.2441, 51.3352

# Sweetspot

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



63.3438, 82.2472, 107.1445



82.8228, 93.2648, 108.2444



50.9723, 78.8158, 37.3199



17.3688, 19.7634, 23.1492



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

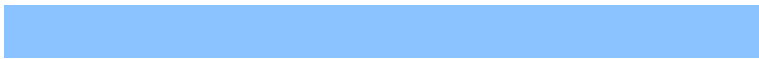
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.3438, 82.2472, 107.1445



59.7124, 80.0980, 106.9210



47.9470, 51.4537, 102.0122



18.5126, 20.3969, 23.2112



27.0649, 39.0393, 55.5435



2.6473, 3.8254, 5.4121



# Inverse Universe

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



67.9005, 46.4669, 97.4893



64.8194, 40.4554, 95.9973



66.1254, 63.6904, 32.8549



18.7714, 18.2919, 22.6793



30.4493, 14.6690, 47.8779

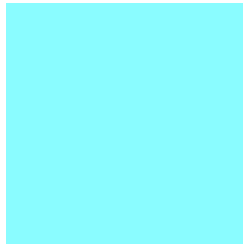


2.9709, 1.4307, 4.6939



# Previews

## White Background



This preview shows how the XYZ color 63.3416, 82.2441, 107.1440 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

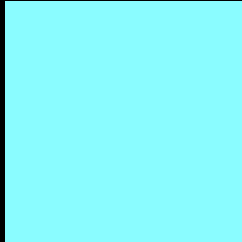
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.3416, 82.2441, 107.1440 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 63.3416, 82.2441, 107.1440

## Background



This preview shows how black text looks on a background with the XYZ color 63.3416, 82.2441, 107.1440.



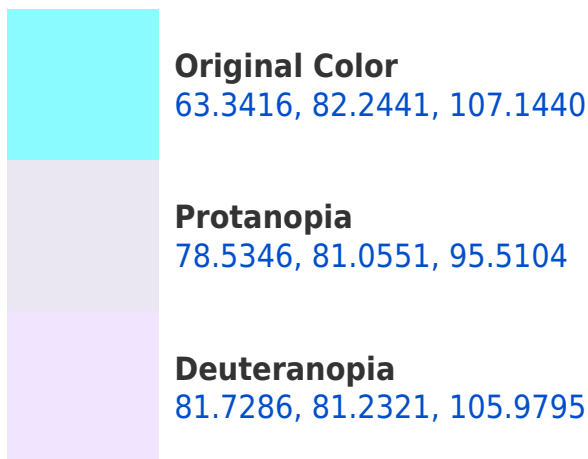
This preview shows how white text looks on a background with the XYZ color 63.3416, 82.2441,



# 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





## Tritanopia

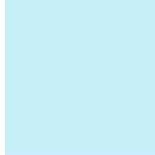
70.5941, 81.8860, 106.6926

# Trichromacy



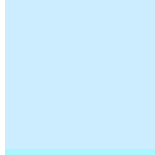
## Original Color

63.3416, 82.2441, 107.1440



## Protanomaly

71.2082, 80.5905, 99.7981



## Deuteranomaly

72.9628, 80.4849, 106.2973



## Tritanomaly

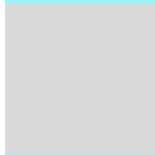
67.3680, 81.5666, 106.8010

# Monochromacy



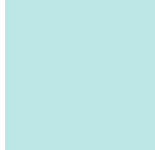
## Original Color

63.3416, 82.2441, 107.1440



## Achromatopsia

66.6397, 70.1102, 76.3500



## Achromatomaly

63.7069, 73.1820, 86.3691

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.3416, 82.2441, 107.1440 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(138, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(138, 252, 255)  
}
```

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(138, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 252, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 63.3416, 82.2441, 107.1440 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(138, 252, 255) }
```



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

```
.border{ border-color:rgb(138, 252, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(138, 252,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.3416, 82.2441, 107.1440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 252, 255) }
```

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

```
.background{ background-color: rgb(138,  
252, 255) }
```

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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