

# Converting Colors

XYZ(87.7094, 110.7057,  
170.1832)

Have a look what the booklet for  
XYZ(87.7094, 110.7057, 170.1832)  
contains.

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# Color

**XYZ(65.8426, 84.9430,  
107.5331)**

# Conversions

## Conversions Part 1

Format	Color
Hex	93FFFF
RGB	147, 255, 255
RGB Percent	58%, 100%, 100%
CMY	0.4235, 0.0000, 0.0000
CMYK	0.42, 0.00, 0.00, 0.00
HSL	180°, 100%, 79%
HSV	180°, 42%, 100%
XYZ	65.8426, 84.9430, 107.5331
YIQ	222.7080, -64.3680, -22.8960

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	147, 201, 255
Decimal	9699327
CIELab	93.86, -31.12, -9.76
CIELCh	94, 32.611, 197.412
Yxy	84.9430, 0.2549, 0.3288
Android (android.graphics.Color)	4287889407 (0xFF93FFFF)
YUV	222.7080, 15.9200, -66.3959
Hunter-Lab	92.1645, -33.7670, -4.6615

# Details

The XYZ color **65.8426, 84.9430, 107.5331** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **56.9413, 44.2357, 33.1429**, and the grayscale version is **69.8557, 73.4936, 80.0345**.

A 20% lighter version of the original color is **79.2636, 91.8618, 108.1612**, and **34.3176, 46.4916, 60.5911** is the 20% darker color. If you saturate the color by 10%, you get **61.7661, 82.8415, 107.3423**, and if you desaturate by 10%, it is **70.9343, 87.5679, 107.7714**.

# Distribution



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



- Red (58%)
- Yellow (79%)
- Blue (100%)



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




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.8426, 84.9430, 107.5331 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 65.8426, 84.9430, 107.5331 by changing the saturation by 10% instead.





 65.8426, 84.9430,  
107.5331


 65.8426, 84.9430,  
107.5331


435.3113,  
511.4394, 605.5356

 48.4119, 63.7943,  
81.9546


 112.3194,  
140.2935, 173.6133

 34.3658, 46.4841,  
60.7925


 142.0961,  
175.2641, 214.9522

 23.3390, 32.6280,  
43.6283


176.7189,  
215.6108, 262.3816

 14.9661, 21.8416,  
30.0434

216.5532,  
261.7180, 316.3201

 8.8817, 13.7406,  
19.6192

261.9642,  
313.9701, 377.1862

 4.7206, 7.9404,  
11.9372

313.3173,

 2.1173, 4.0569,

372.7514, 445.3984

6.5789

370.9779,  
438.4464, 521.3754

■ 0.6986, 1.7054,  
3.1258

■ 0.0000, 0.4272,  
1.1592

■ 65.8426, 84.9430,  
107.5331

■ 65.8426, 84.9430,  
107.5331

■ 61.7661, 82.8415,  
107.3423

■ 70.9343, 87.5679,  
107.7714

■ 58.6344, 81.2271,  
107.1958

■ 77.1000, 90.7464,  
108.0600

■ 56.3724, 80.0609,  
107.0899

■ 84.3972, 94.5083,  
108.4015

■ 54.8924, 79.2980,  
107.0207

■ 92.8786, 98.8806,  
108.7984

■ 54.0885, 78.8836,  
106.9830

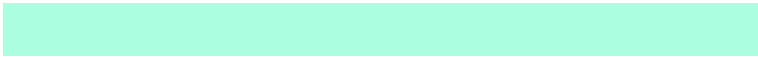
95.0500, 100.0000,  
108.9000

■ 53.8100, 78.7400,  
106.9700

# Harmonies

## Analogous

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



65.5259, 84.9430, 82.4631



65.8426, 84.9430, 107.5331



69.9657, 84.9430, 132.3068

# Triad

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



65.8426, 84.9430, 107.5331



93.6499, 84.9430, 128.7294



84.4259, 84.9430, 53.2605

# Complementary

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



65.8426, 84.9430, 107.5331



56.9413, 44.2357, 33.1429

# 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.



92.5580, 84.9430, 61.5869



65.8426, 84.9430, 107.5331



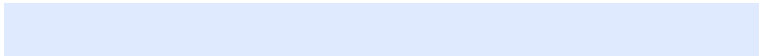
98.1341, 84.9430, 103.2952

# Square

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



65.8426, 84.9430, 107.5331



85.8309, 84.9430, 145.9697



97.7207, 84.9430, 78.9169



75.8464, 84.9430, 53.9842



# Rectangle

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



65.8426, 84.9430, 107.5331



74.4968, 84.9430, 143.9788



97.7207, 84.9430, 78.9169



87.3137, 84.9430, 55.0212

# Sweetspot

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



65.8435, 84.9435, 107.5332



83.8883, 94.2459, 108.3776



53.0603, 79.8302, 40.2179



17.5930, 19.9856, 23.1803



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

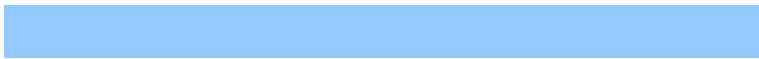
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.8435, 84.9435, 107.5332



62.2601, 83.0962, 107.3655



50.9707, 55.1979, 102.5756



18.5550, 20.4815, 23.2253



28.1169, 41.1433, 55.8941



2.7376, 4.0060, 5.4422



# Inverse Universe

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



69.7245, 49.3489, 100.4582



66.6173, 43.1346, 99.4224



67.3940, 65.1411, 36.6272



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741

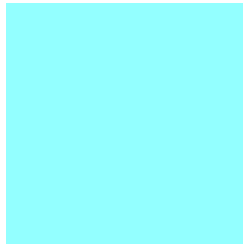


3.0164, 1.4490, 4.9340



# Previews

## White Background



This preview shows how the XYZ color 65.8426, 84.9430, 107.5331 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

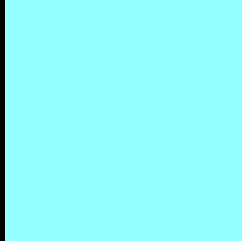
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.8426, 84.9430, 107.5331 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

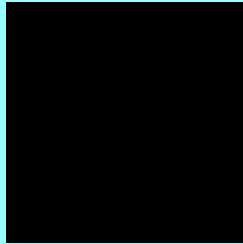
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 65.8426, 84.9430, 107.5331

## Background



This preview shows how black text looks on a background with the XYZ color 65.8426, 84.9430, 107.5331.



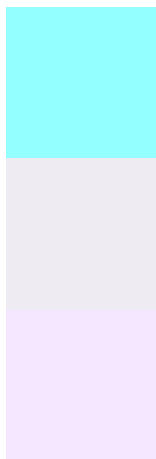
This preview shows how white text looks on a background with the XYZ color 65.8426, 84.9430,



# 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

65.8426, 84.9430, 107.5331

### Protanopia

81.1459, 84.0649, 96.7433

### Deuteranopia

84.2821, 83.7843, 106.3376



## **Tritanopia**

74.2201, 84.2007, 106.9483

# Trichromacy



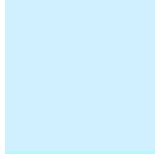
## Original Color

65.8426, 84.9430, 107.5331



## Protanomaly

73.7175, 83.1988, 100.1693



## Deuteranomaly

75.5046, 83.0955, 106.6673



## Tritanomaly

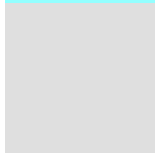
70.6735, 84.1786, 107.1309

# Monochromacy



## Original Color

65.8426, 84.9430, 107.5331



## Achromatopsia

70.1384, 73.7910, 80.3584



## Achromatomaly

67.2094, 77.0169, 89.9207

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.8426, 84.9430, 107.5331 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(147, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(147, 255, 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(147, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 255, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 65.8426, 84.9430, 107.5331 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(147, 255, 255) }
```



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

```
.border{ border-color:rgb(147, 255, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(147, 255,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.8426, 84.9430, 107.5331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 255, 255) }
```

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

```
.background{ background-color: rgb(147,  
255, 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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