

# Converting Colors

XYZ(68.7224, 84.4332,  
107.2829)

Have a look what the booklet for  
XYZ(68.7224, 84.4332, 107.2829)  
contains.

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# Color

**XYZ(68.9094, 84.6494,  
107.3148)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9FBFF
RGB	169, 251, 255
RGB Percent	66%, 98%, 100%
CMY	0.3372, 0.0157, 0.0000
CMYK	0.34, 0.02, 0.00, 0.00
HSL	183°, 100%, 83%
HSV	183°, 34%, 100%
XYZ	68.9094, 84.6494, 107.3148
YIQ	226.9380, -50.1560, -16.1400

# Conversions

## Conversions Part 2

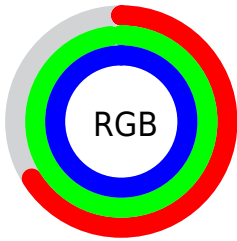
<b>Format</b>	<b>Color</b>
<b>RYB</b>	169, 211, 255
Decimal	11140095
CIELab	93.73, -23.81, -9.84
CIELCh	94, 25.760, 202.462
Yxy	84.6494, 0.2641, 0.3245
Android (android.graphics.Color)	4289330175 (0xFFA9FBFF)
YUV	226.9380, 13.8346, -50.8116
Hunter-Lab	92.0051, -27.3171, -4.7523

# Details

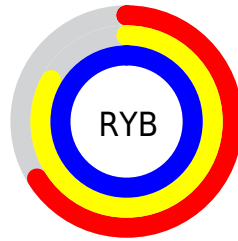
The XYZ color **68.9094, 84.6494, 107.3148** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **63.3453, 54.0116, 44.6247**, and the grayscale version is **72.8993, 76.6957, 83.5217**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **36.2949, 46.1715, 60.4251** is the 20% darker color. If you saturate the color by 10%, you get **63.5948, 81.3640, 106.9608**, and if you desaturate by 10%, it is **75.2976, 88.4959, 107.7206**.

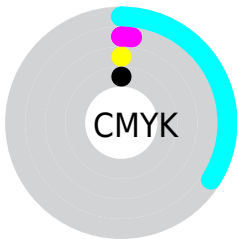
# Distribution



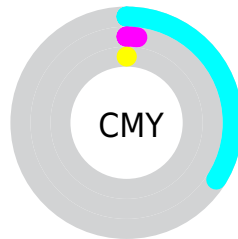
- Red (66%)
- Green (98%)
- Blue (100%)



- Red (66%)
- Yellow (83%)
- Blue (100%)



- Cyan (34%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.9094, 84.6494, 107.3148 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 68.9094, 84.6494, 107.3148 by changing the saturation by 10% instead.



68.9094, 84.6494,  
107.3148

68.9094, 84.6494,  
107.3148

446.0377,  
510.4672, 604.8444

50.9143, 63.5517,  
81.7725

116.6869,  
139.8832, 173.3129

36.3612, 46.2877,  
60.6433

147.2001,  
174.7882, 214.6057

24.8847, 32.4729,  
43.5087

182.6166,  
215.0643, 261.9859

16.1194, 21.7230,  
29.9501

223.3019,  
261.0961, 315.8718

9.7001, 13.6535,  
19.5490

269.6213,  
313.2679, 376.6821

5.2613, 7.8801,  
11.8868

321.9402,

2.4377, 4.0183,

371.9641, 444.8353

6.5450

380.6239,  
437.5691, 520.7499

■ 0.8639, 1.6838,  
3.1051

■ 0.0000, 0.4131,  
1.1486

■ 68.9094, 84.6494,  
107.3148

■ 68.9094, 84.6494,  
107.3148

■ 63.5948, 81.3640,  
106.9608

■ 75.2976, 88.4959,  
107.7206

■ 59.2847, 78.5978,  
106.6540

■ 82.8099, 92.9232,  
108.1792

■ 55.9128, 76.3186,  
106.3918

■ 91.5017, 97.9621,  
108.6937

■ 53.4016, 74.4866,  
106.1705

■ 95.0500, 100.0000,  
108.9000

■ 51.6615, 73.0555,  
105.9860

■ 50.5832, 71.9690,  
105.8331

■ 50.1462, 71.4125,  
105.7487

# Harmonies

## Analogous

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



68.1154, 84.6494, 87.3178



68.9094, 84.6494, 107.3148



72.7100, 84.6494, 125.3618

# Triad

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



68.9094, 84.6494, 107.3148



91.3374, 84.6494, 117.0632



82.1935, 84.6494, 59.6567

# Complementary

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



68.9094, 84.6494, 107.3148



63.3453, 54.0116, 44.6247

# 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.



88.7350, 84.6494, 65.4223



68.9094, 84.6494, 107.3148



94.2053, 84.6494, 97.1963

# Square

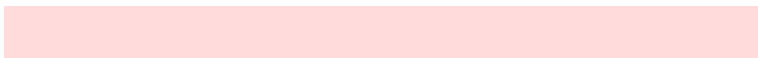
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.9094, 84.6494, 107.3148



85.5847, 84.6494, 131.5227



93.2269, 84.6494, 78.5195



75.5378, 84.6494, 61.5706

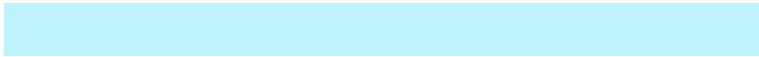


# Rectangle

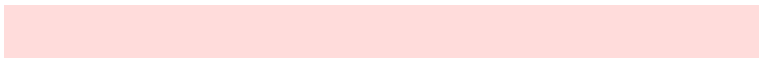
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.9094, 84.6494, 107.3148



76.5601, 84.6494, 132.9301



93.2269, 84.6494, 78.5195



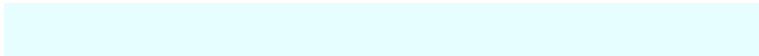
84.4834, 84.6494, 60.7290

# Sweetspot

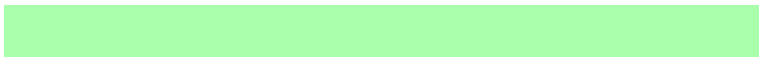
The Sweet Spot groups the original color and five complimentary colors.



68.9116, 84.6527, 107.3153



85.9061, 94.7268, 108.3641



59.5570, 82.9290, 51.8325



18.1332, 20.1276, 23.1792



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.



68.9116, 84.6527, 107.3153



65.4536, 82.5258, 107.0870



57.2467, 61.3229, 103.4270



18.4783, 20.3282, 23.1998



26.2342, 37.3779, 55.2666



2.5758, 3.6822, 5.3883



# Inverse Universe

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



72.8420, 56.6027, 98.3568



69.9275, 50.9610, 96.8081



72.6688, 72.6587, 47.7325



18.7541, 18.2849, 22.5880



30.0300, 14.5013, 45.6699

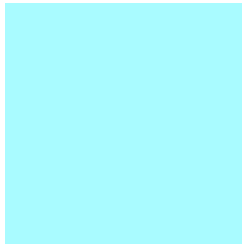


2.9347, 1.4163, 4.5037



# Previews

## White Background



This preview shows how the XYZ color 68.9094, 84.6494, 107.3148 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

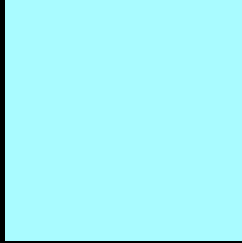
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.9094, 84.6494, 107.3148 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

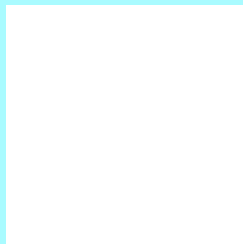
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 68.9094, 84.6494, 107.3148

## Background



This preview shows how black text looks on a background with the XYZ color 68.9094, 84.6494, 107.3148.



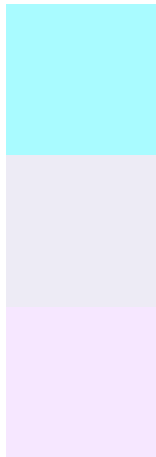
This preview shows how white text looks on a background with the XYZ color 68.9094, 84.6494,



# 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

68.9094, 84.6494, 107.3148

### Protanopia

81.1148, 84.0138, 98.3273

### Deuteranopia

84.6319, 83.9647, 106.3540



## Tritanopia

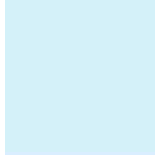
74.7292, 84.0177, 106.8861

# Trichromacy



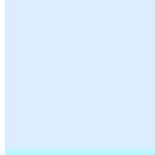
## Original Color

68.9094, 84.6494, 107.3148



## Protanomaly

75.7056, 83.7472, 101.7972



## Deuteranomaly

77.5380, 83.2745, 106.5946



## Tritanomaly

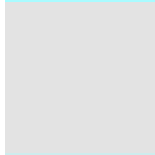
72.4916, 84.2079, 107.0408

# Monochromacy



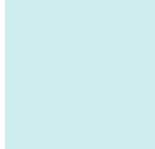
## Original Color

68.9094, 84.6494, 107.3148



## Achromatopsia

73.0128, 76.8151, 83.6517



## Achromatomaly

70.7351, 79.2271, 91.6850

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.9094, 84.6494, 107.3148 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(169, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(169, 251, 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(169, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 251, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 68.9094, 84.6494, 107.3148 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(169, 251, 255) }
```



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

```
.border{ border-color:rgb(169, 251, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(169, 251,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.9094, 84.6494, 107.3148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 251, 255) }
```

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

```
.background{ background-color: rgb(169,  
251, 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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