

# Converting Colors

XYZ(66.7498, 82.5794,  
101.1391)

Have a look what the booklet for  
XYZ(66.7498, 82.5794, 101.1391)  
contains.

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# **Color**

**XYZ(66.9674, 82.8535,  
101.2697)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8F9F8
RGB	168, 249, 248
RGB Percent	66%, 98%, 97%
CMY	0.3412, 0.0235, 0.0274
CMYK	0.33, 0.00, 0.00, 0.02
HSL	179°, 87%, 82%
HSV	179°, 33%, 98%
XYZ	66.9674, 82.8535, 101.2697
YIQ	224.6670, -47.9550, -17.4830

# Conversions

## Conversions Part 2

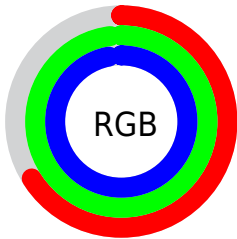
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	168, 209, 249
Decimal	11074040
CIE <sub>Lab</sub>	92.95, -24.70, -7.38
CIE <sub>LCh</sub>	93, 25.776, 196.638
Yxy	82.8535, 0.2667, 0.3300
Android (android.graphics.Color)	4289264120 (0xFFA8F9F8)
YUV	224.6670, 11.5032, -49.6970
Hunter-Lab	91.0239, -27.9672, -2.2471

# Details

The XYZ color **66.9674, 82.8535, 101.2697** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **60.2339, 51.0120, 44.2109**, and the grayscale version is **71.2757, 74.9876, 81.6615**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **35.0462, 44.9498, 56.6982** is the 20% darker color. If you saturate the color by 10%, you get **62.1184, 80.3613, 100.7951**, and if you desaturate by 10%, it is **72.8364, 85.8756, 101.7961**.

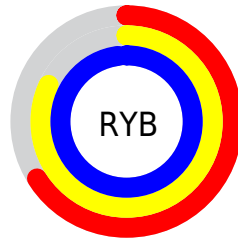
# Distribution



Red (66%)

Green (98%)

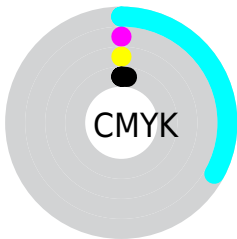
Blue (97%)



Red (66%)

Yellow (82%)

Blue (98%)

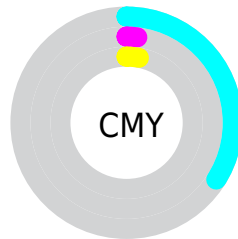


Cyan (33%)

Magenta (0%)

Yellow (0%)

Black (2%)



Cyan (34%)

Magenta (2%)

Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.9674, 82.8535, 101.2697 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 66.9674, 82.8535, 101.2697 by changing the saturation by 10% instead.



66.9674, 82.8535,  
101.2697

66.9674, 82.8535,  
101.2697

439.2630,  
504.4981, 585.5372

49.3287, 62.0693,  
76.7386

113.9238,  
137.3703, 164.9680

35.0959, 45.0887,  
56.5280

143.9721,  
171.8716, 204.9723

23.9036, 31.5273,  
40.2196

178.8878,  
211.7141, 250.9713

15.3865, 21.0007,  
27.3947

219.0362,  
257.2822, 303.3837

9.1792, 13.1245,  
17.6348

264.7825,  
308.9603, 362.6279

4.9163, 7.5143,  
10.5214

316.4922,

2.2325, 3.7858,

367.1327, 429.1226

5.6359

374.5306,  
432.1838, 503.2862

■ 0.7598, 1.5545,  
2.5598

■ 0.0000, 0.3266,  
0.8716

■ 66.9674, 82.8535,  
101.2697

■ 66.9674, 82.8535,  
101.2697

■ 62.1184, 80.3613,  
100.7951

■ 72.8364, 85.8756,  
101.7961

■ 58.2239, 78.3591,  
100.3637

■ 79.7715, 89.4452,  
102.3709

■ 55.2223, 76.8173,  
99.9746

■ 87.8249, 93.5914,  
102.9985

■ 53.0419, 75.6987,  
99.6243

■ 92.2526, 95.8684,  
103.4569

■ 51.5998, 74.9608,  
99.3090

■ 92.3008, 95.8877,  
103.7107

■ 50.7958, 74.5518,  
99.0239

■ 92.3491, 95.9070,  
103.9649

■ 50.4996, 74.4032,  
98.8255

■ 92.3975, 95.9263,  
104.2196

■ 92.4459, 95.9457,  
104.4746

■ 92.4944, 95.9651,  
104.7301

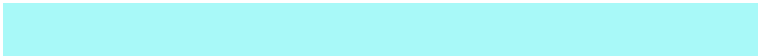
# Harmonies

## Analogous

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



66.7954, 82.8535, 81.9001



66.9674, 82.8535, 101.2697



70.1777, 82.8535, 119.9962

# Triad

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



66.9674, 82.8535, 101.2697



88.5585, 82.8535, 118.1898



81.7847, 82.8535, 58.6908

# Complementary

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



66.9674, 82.8535, 101.2697



60.2339, 51.0120, 44.2109

# 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.



87.9929, 82.8535, 65.8177



66.9674, 82.8535, 101.2697



92.0516, 82.8535, 99.0710

# Square

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



66.9674, 82.8535, 101.2697



82.5212, 82.8535, 130.6788



91.8389, 82.8535, 79.9926

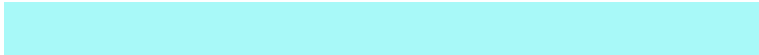


75.0950, 82.8535, 59.1042

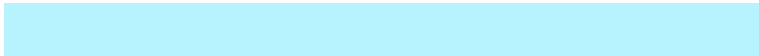


# Rectangle

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



66.9674, 82.8535, 101.2697



73.7188, 82.8535, 128.7807



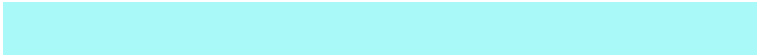
91.8389, 82.8535, 79.9926



84.0045, 82.8535, 60.2352

# Sweetspot

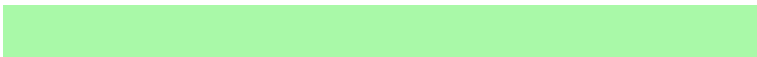
The Sweet Spot groups the original color and five complimentary colors.



66.9698, 82.8568, 101.2716



86.2321, 95.4601, 108.2222



57.3834, 79.0556, 49.2824



18.2127, 20.3065, 23.1446



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

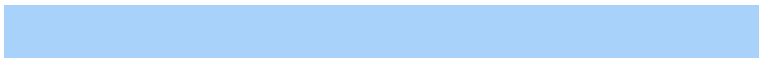
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.9698, 82.8568, 101.2716



67.2357, 85.6841, 106.5669



56.2594, 61.1862, 98.4712



17.7560, 19.6047, 22.1818



27.0348, 39.8269, 52.9199



2.5068, 3.6898, 4.9166



# Inverse Universe

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



60.2339, 51.0120, 44.2109



59.1202, 47.3130, 37.8168



68.4869, 67.6682, 46.4991



17.2534, 17.2287, 17.9239



20.9247, 10.7856, 1.0461

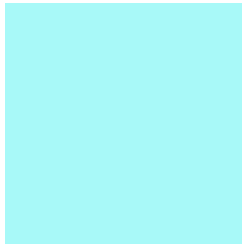


1.9410, 1.0001, 0.1125



# Previews

## White Background



This preview shows how the XYZ color 66.9674, 82.8535, 101.2697 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

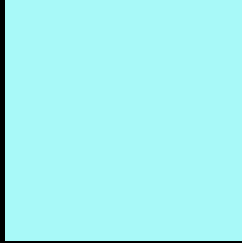
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.9674, 82.8535, 101.2697 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 66.9674, 82.8535, 101.2697

## Background



This preview shows how black text looks on a background with the XYZ color 66.9674, 82.8535, 101.2697.



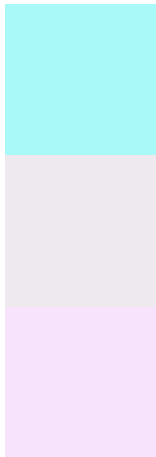
This preview shows how white text looks on a background with the XYZ color 66.9674, 82.8535,



# 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

66.9674, 82.8535, 101.2697

### Protanopia

79.4966, 82.4554, 92.6145

### Deuteranopia

83.9101, 81.9865, 104.3309



## Tritanopia

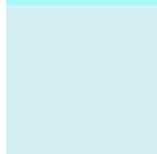
72.8281, 82.5946, 106.7116

# Trichromacy



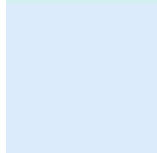
## Original Color

66.9674, 82.8535, 101.2697



## Protanomaly

74.0449, 82.1409, 95.9566



## Deuteranomaly

76.3343, 81.4418, 102.9634



## Tritanomaly

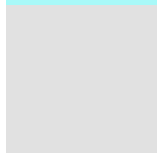
70.4728, 82.7722, 104.3578

# Monochromacy



## Original Color

66.9674, 82.8535, 101.2697



## Achromatopsia

71.5672, 75.2942, 81.9954



## Achromatomaly

69.0326, 77.5662, 88.4242

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.9674, 82.8535, 101.2697 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(168, 249, 248)` looks like.

```
.text, #text, p{  
    color:rgb(168, 249, 248)  
}
```

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(168, 249, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 249, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 66.9674, 82.8535, 101.2697 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(168, 249, 248) }
```



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

```
.border{ border-color:rgb(168, 249, 248) }
```

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

Here you see how a box with a 4 pixel rgb(168, 249, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 249, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 249, 248);  
box-shadow:4px 4px 4px 4px rgb(168, 249,  
248) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.9674, 82.8535, 101.2697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 249, 248) }
```

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

```
.background{ background-color: rgb(168,  
249, 248) }
```

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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