

# Converting Colors

XYZ(84.2869, 100.0000,  
102.4998)

Have a look what the booklet for  
XYZ(84.2869, 100.0000, 102.4998)  
contains.

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# Color

**XYZ(80.8674, 92.8343,  
101.6523)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8FFF7
RGB	216, 255, 247
RGB Percent	85%, 100%, 97%
CMY	0.1529, 0.0000, 0.0314
CMYK	0.15, 0.00, 0.03, 0.00
HSL	168°, 100%, 92%
HSV	168°, 15%, 100%
XYZ	80.8674, 92.8343, 101.6523
YIQ	242.4270, -20.6760, -10.7560

# Conversions

## Conversions Part 2

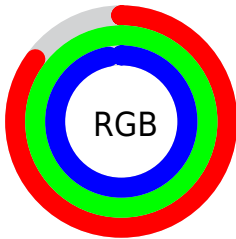
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	216, 238, 255
Decimal	14221303
CIE Lab	97.16, -13.97, -0.37
CIE LCh	97, 13.979, 181.504
Yxy	92.8343, 0.2937, 0.3371
Android (android.graphics.Color)	4292411383 (0xFFD8FFF7)
YUV	242.4270, 2.2545, -23.1765
Hunter-Lab	96.3506, -18.7977, 4.8929

# Details

The XYZ color **80.8674, 92.8343, 101.6523** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.2511, 75.7548, 80.9665**, and the grayscale version is **84.7305, 89.1430, 97.0768**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.2960, 51.7268, 56.9398** is the 20% darker color. If you saturate the color by 10%, you get **73.1136, 88.9290, 97.1364**, and if you desaturate by 10%, it is **89.8148, 97.3523, 106.3452**.

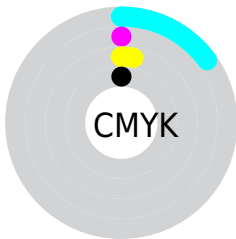
# Distribution



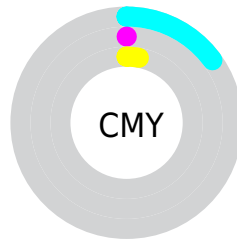
- Red (85%)
- Green (100%)
- Blue (97%)



- Red (85%)
- Yellow (93%)
- Blue (100%)



- Cyan (15%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)




- Cyan (15%)
- Magenta (0%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.8674, 92.8343, 101.6523 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 80.8674, 92.8343, 101.6523 by changing the saturation by 10% instead.




 80.8674, 92.8343,  
101.6523

 80.8674, 92.8343,  
101.6523


486.5434,  
537.2082, 586.7691

 60.7433, 70.3338,  
77.0566


133.5287,  
151.2692, 165.4976

 44.2698, 51.7987,  
56.7875


166.7966,  
187.9723, 205.5843

 31.0815, 36.8446,  
40.4264


205.1765,  
230.1785, 251.6717

 20.8130, 25.0872,  
27.5549

249.0338,  
278.2721, 304.1785

 13.0991, 16.1421,  
17.7543

298.7337,  
332.6374, 363.5230

 7.5743, 9.6247,  
10.6061

354.6418,

 3.8733, 5.1509,

393.6590, 430.1240

5.6918

417.1232,  
461.7211, 504.3998

■ 1.6307, 2.3360,  
2.5929

■ 0.4123, 0.7927,  
0.8888

■ 80.8674, 92.8343,  
101.6523

■ 80.8674, 92.8343,  
101.6523

■ 73.1136, 88.9290,  
97.1364

■ 89.8148, 97.3523,  
106.3452

■ 66.4967, 85.6073,  
92.7894

95.0500, 100.0000,  
108.9000

■ 60.9595, 82.8395,  
88.6093

■ 56.4385, 80.5931,  
84.5920

■ 52.8637, 78.8319,  
80.7333

■ 50.1559, 77.5152,  
77.0284

■ 48.2229, 76.5954,  
73.4721

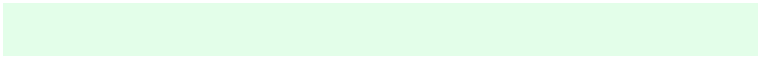
■ 46.9507, 76.0138,  
70.0580

■ 46.5039, 75.8175,  
68.4964

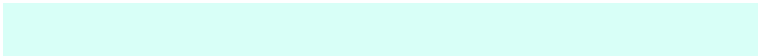
# Harmonies

## Analogous

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



81.7352, 92.8343, 91.0651



80.8674, 92.8343, 101.6523



81.9246, 92.8343, 112.8653

# Triad

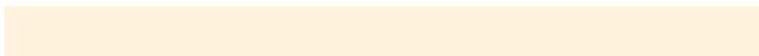
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.8674, 92.8343, 101.6523



92.2604, 92.8343, 120.7604



91.9054, 92.8343, 83.1626

# Complementary

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



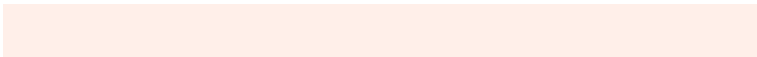
80.8674, 92.8343, 101.6523



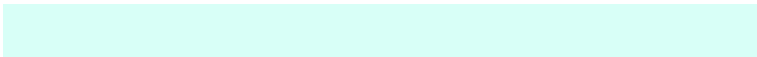
79.2511, 75.7548, 80.9665

# 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.



94.8639, 92.8343, 90.1465



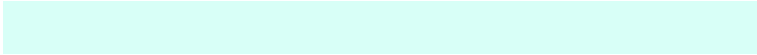
80.8674, 92.8343, 101.6523



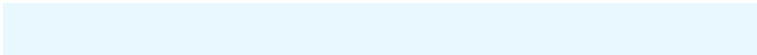
95.0731, 92.8343, 111.8052

# Square

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



80.8674, 92.8343, 101.6523



88.4356, 92.8343, 124.3937



96.0396, 92.8343, 100.5114

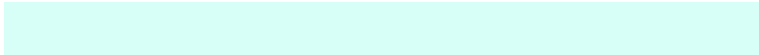


88.0372, 92.8343, 80.8793



# Rectangle

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



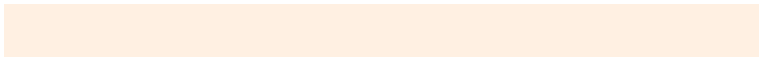
80.8674, 92.8343, 101.6523



83.5976, 92.8343, 119.0575



96.0396, 92.8343, 100.5114



93.0433, 92.8343, 85.0113

# Sweetspot

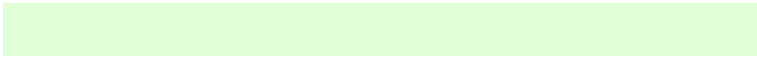
The Sweet Spot groups the original color and five complimentary colors.



80.8684, 92.8348, 101.6538



90.0956, 97.4942, 106.4854



79.0357, 92.3976, 78.6362



19.1405, 20.7952, 22.7204



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

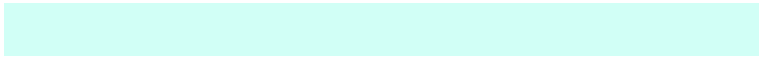


# Same Dimension

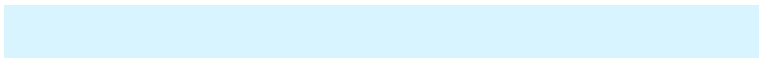
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8684, 92.8348, 101.6538



78.6539, 91.7183, 100.4140



78.7054, 86.4910, 107.1539



18.3858, 20.4139, 22.3348



24.3550, 39.6386, 36.0841



2.4097, 3.8748, 3.7155



# Inverse Universe

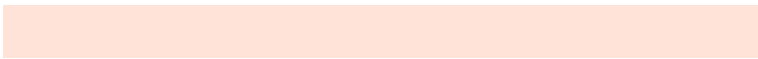
The Inverse Universe completely reimagines the original color for something new.



79.2511, 75.7548, 80.9665



76.7873, 71.9989, 76.5328



81.1182, 81.1844, 76.3621



18.1617, 18.0480, 19.4687



21.9187, 11.2568, 2.9565

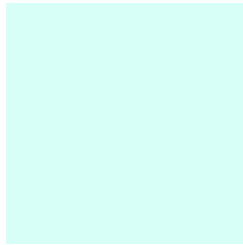


2.1713, 1.1109, 0.4833



# Previews

## White Background



This preview shows how the XYZ color 80.8674, 92.8343, 101.6523 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

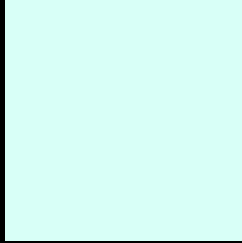
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.8674, 92.8343, 101.6523 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

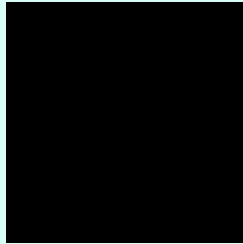
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

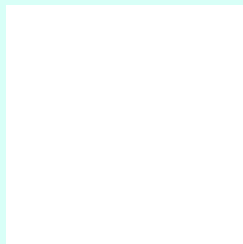
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 80.8674, 92.8343, 101.6523

## Background



This preview shows how black text looks on a background with the XYZ color 80.8674, 92.8343, 101.6523.



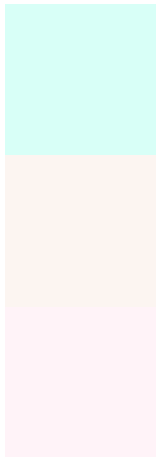
This preview shows how white text looks on a background with the XYZ color 80.8674, 92.8343,

101.6523.

# 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

80.8674, 92.8343, 101.6523

### Protanopia

88.6745, 92.3511, 96.3710

### Deuteranopia

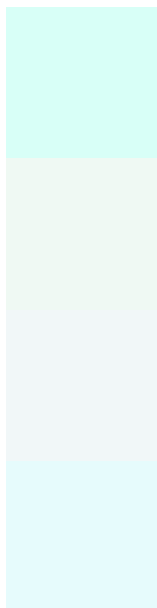
90.2339, 92.1385, 101.8356



## **Tritanopia**

86.8773, 92.5319, 107.8893

# Trichromacy



## Original Color

80.8674, 92.8343, 101.6523

## Protanomaly

85.6499, 92.5732, 98.1482

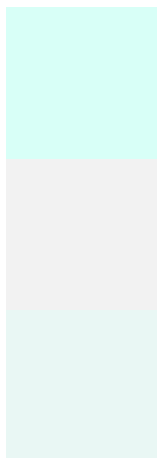
## Deuteranomaly

86.4797, 91.9996, 102.0067

## Tritanomaly

84.7010, 92.8456, 105.5522

# Monochromacy



## Original Color

80.8674, 92.8343, 101.6523

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

83.1942, 90.3768, 98.6476

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.8674, 92.8343, 101.6523 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(216, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(216, 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(216, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 80.8674, 92.8343, 101.6523 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(216, 255, 247) }
```



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

```
.border{ border-color:rgb(216, 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(216, 255, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(216, 255,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.8674, 92.8343, 101.6523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 255, 247) }
```

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

```
.background{ background-color: rgb(216,  
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](#).

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