

# Converting Colors

XYZ(76.8052, 87.4674,  
101.6418)

Have a look what the booklet for  
XYZ(76.8052, 87.4674, 101.6418)  
contains.

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# Color

**XYZ(76.8052, 87.4674,  
101.6418)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1F8F8
RGB	209, 248, 248
RGB Percent	82%, 97%, 97%
CMY	0.1804, 0.0274, 0.0274
CMYK	0.16, 0.00, 0.00, 0.03
HSL	180°, 74%, 90%
HSV	180°, 16%, 97%
XYZ	76.8052, 87.4674, 101.6418
YIQ	236.3390, -23.2440, -8.2680

# Conversions

## Conversions Part 2

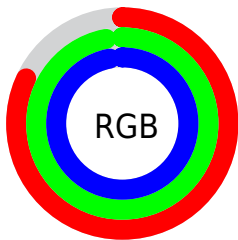
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 229, 248
Decimal	13760760
CIE Lab	94.94, -12.46, -4.19
CIE LCh	95, 13.145, 198.610
Yxy	87.4674, 0.2888, 0.3289
Android (android.graphics.Color)	4291950840 (0xFFD1F8F8)
YUV	236.3390, 5.7489, -23.9763
Hunter-Lab	93.5240, -17.0765, 1.0305

# Details

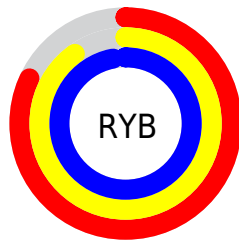
The XYZ color **76.8052, 87.4674, 101.6418** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.0236, 70.1633, 70.0195**, and the grayscale version is **79.9607, 84.1248, 91.6119**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6905, 48.3751, 57.0092** is the 20% darker color. If you saturate the color by 10%, you get **70.3278, 84.1305, 101.3388**, and if you desaturate by 10%, it is **84.3799, 91.3746, 101.9998**.

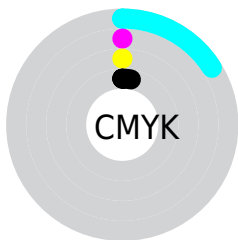
# Distribution



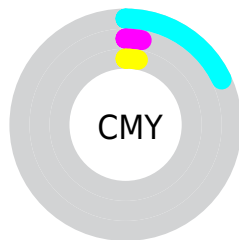
- Red (82%)
- Green (97%)
- Blue (97%)



- Red (82%)
- Yellow (90%)
- Blue (97%)



- Cyan (16%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)



- Cyan (18%)
- Magenta (3%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8052, 87.4674, 101.6418 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 76.8052, 87.4674, 101.6418 by changing the saturation by 10% instead.



76.8052, 87.4674,  
101.6418

76.8052, 87.4674,  
101.6418

473.0017,  
519.7575, 586.7353

57.3924, 65.8821,  
77.0479

127.8388,  
143.8154, 165.4831

41.5617, 48.1767,  
56.7804

160.1902,  
179.3469, 205.5675

28.9479, 33.9668,  
40.4207

197.5853,  
220.2959, 251.6525

19.1855, 22.8681,  
27.5505

240.3892,  
267.0469, 304.1567

11.9092, 14.4962,  
17.7510

288.9675,  
319.9841, 363.4985

6.7536, 8.4665,  
10.6038

343.6855,

3.3534, 4.3949,

379.4920, 430.0965

5.6903

404.9084,  
445.9550, 504.3692

■ 1.3433, 1.8968,  
2.5920

■ 0.2153, 0.5465,  
0.8883

■ 76.8052, 87.4674,  
101.6418

■ 76.8052, 87.4674,  
101.6418

■ 70.3278, 84.1305,  
101.3388

■ 84.3799, 91.3746,  
101.9998

■ 64.8897, 81.3271,  
101.0826

■ 91.7532, 95.1756,  
102.3466

■ 60.4391, 79.0328,  
100.8726

■ 91.7535, 95.1757,  
102.3483

■ 56.9168, 77.2170,  
100.7061

■ 91.7538, 95.1759,  
102.3500

■ 54.2572, 75.8460,  
100.5799

■ 91.7541, 95.1760,  
102.3518

■ 52.3861, 74.8814,  
100.4906

■ 91.7545, 95.1761,  
102.3535

■ 51.2170, 74.2788,  
100.4342

■ 91.7548, 95.1762,  
102.3552

■ 50.6427, 73.9827,  
100.4056

■ 91.7551, 95.1764,  
102.3569

■ 50.5098, 73.9142,  
100.3987

■ 91.7554, 95.1765,  
102.3586

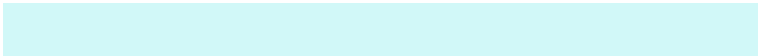
# Harmonies

## Analogous

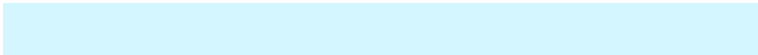
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.5934, 87.4674, 91.4117



76.8052, 87.4674, 101.6418



78.6838, 87.4674, 110.7410

# Triad

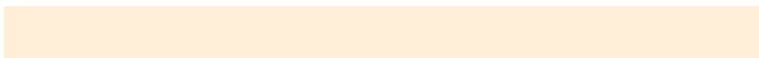
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.8052, 87.4674, 101.6418



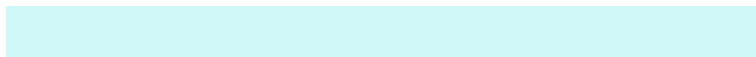
88.3857, 87.4674, 108.8188



84.4965, 87.4674, 77.2558

# Complementary

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



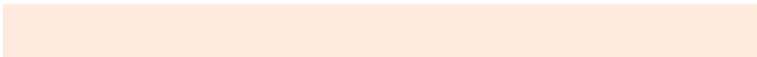
76.8052, 87.4674, 101.6418



73.0236, 70.1633, 70.0195

# 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.



87.7513, 87.4674, 81.2524



76.8052, 87.4674, 101.6418



90.0391, 87.4674, 99.1678

# Square

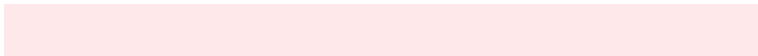
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.8052, 87.4674, 101.6418



85.3424, 87.4674, 115.0846



89.8037, 87.4674, 89.1073



80.9663, 87.4674, 77.8138

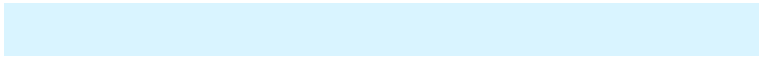


# Rectangle

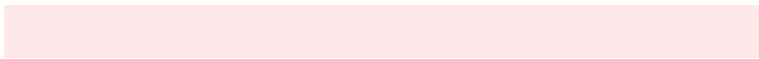
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



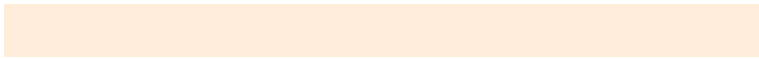
76.8052, 87.4674, 101.6418



80.6595, 87.4674, 114.7153



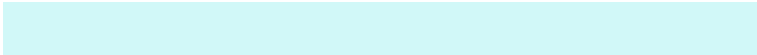
89.8037, 87.4674, 89.1073



85.6609, 87.4674, 78.0989

# Sweetspot

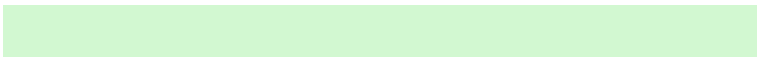
The Sweet Spot groups the original color and five complimentary colors.



76.8077, 87.4710, 101.6438



90.5136, 97.6614, 108.6868



71.5574, 85.3922, 73.0341



19.2425, 20.8359, 23.2573



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

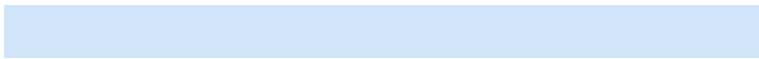
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.8077, 87.4710, 101.6438



79.4159, 91.9404, 108.1649



71.3012, 76.4571, 99.8108



17.7658, 19.6086, 22.2334



27.2842, 39.9267, 54.2331



2.5270, 3.6979, 5.0230



# Inverse Universe

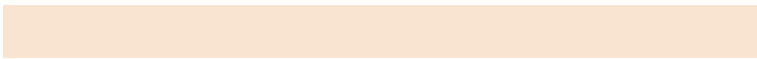
The Inverse Universe completely reimagines the original color for something new.



73.0236, 70.1633, 70.0195



74.6520, 70.1511, 68.3520



77.9253, 79.9673, 71.6514



17.2447, 17.2253, 17.8786



20.9120, 10.7805, 0.9791

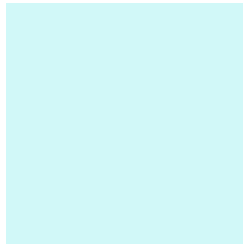


1.9368, 0.9985, 0.0908



# Previews

## White Background



This preview shows how the XYZ color 76.8052, 87.4674, 101.6418 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

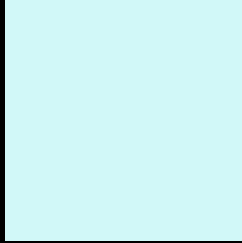
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.8052, 87.4674, 101.6418 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

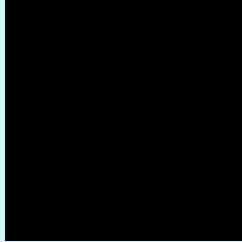
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 76.8052, 87.4674, 101.6418

## Background



This preview shows how black text looks on a background with the XYZ color 76.8052, 87.4674, 101.6418.



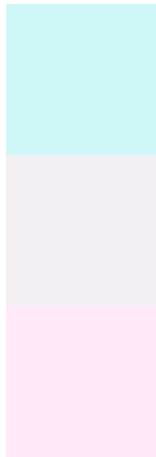
This preview shows how white text looks on a background with the XYZ color 76.8052, 87.4674,

101.6418.

# 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

76.8052, 87.4674, 101.6418

### Protanopia

84.0063, 87.2588, 97.2090

### Deuteranopia

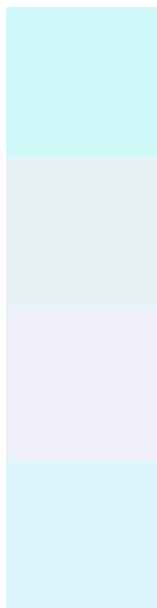
87.7617, 86.9452, 101.7791



## Tritanopia

80.8411, 87.1685, 107.1722

# Trichromacy



## Original Color

76.8052, 87.4674, 101.6418

## Protanomaly

81.1886, 87.0858, 98.9163

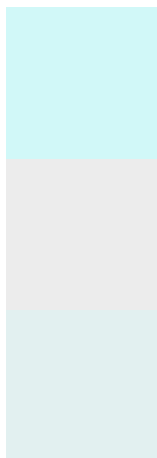
## Deuteranomaly

83.2253, 86.7497, 101.9805

## Tritanomaly

79.4365, 87.3932, 104.7773

# Monochromacy



## Original Color

76.8052, 87.4674, 101.6418

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

78.2523, 84.7802, 94.6780

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.8052, 87.4674, 101.6418 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(209, 248, 248)` looks like.

```
.text, #text, p{  
    color:rgb(209, 248, 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(209, 248, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 248, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 76.8052, 87.4674, 101.6418 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(209, 248, 248) }
```



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

```
.border{ border-color:rgb(209, 248, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 248, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 248, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 248, 248);  
box-shadow:4px 4px 4px 4px rgb(209, 248,  
248) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.8052, 87.4674, 101.6418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 248, 248) }
```

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

```
.background{ background-color: rgb(209,  
248, 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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