

# Converting Colors

XYZ(75.0823, 80.3814,  
106.1656)

Have a look what the booklet for  
XYZ(75.0823, 80.3814, 106.1656)  
contains.

<b>XYZ(74.9134, 80.2118, 106.1418)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(74.9134, 80.2118,  
106.1418)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5EAFF
RGB	213, 234, 255
RGB Percent	84%, 92%, 100%
CMY	0.1647, 0.0823, 0.0000
CMYK	0.16, 0.08, 0.00, 0.00
HSL	210°, 100%, 92%
HSV	210°, 16%, 100%
XYZ	74.9134, 80.2118, 106.1418
YIQ	230.1150, -19.2570, 2.0790

# Conversions

## Conversions Part 2

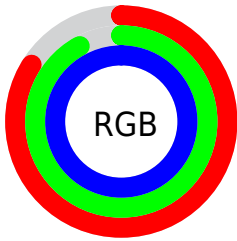
Format	Color
R <sub>Y</sub> B	213, 227, 255
Decimal	14019327
CIE Lab	91.78, -2.71, -12.48
CIE LCh	92, 12.771, 257.757
Yxy	80.2118, 0.2867, 0.3070
Android (android.graphics.Color)	4292209407 (0xFFD5EAF7)
YUV	230.1150, 12.2683, -15.0099
Hunter-Lab	89.5610, -7.4254, -7.5738

# Details

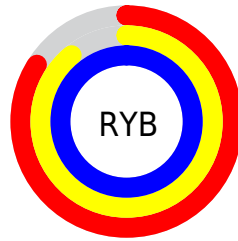
The XYZ color **74.9134, 80.2118, 106.1418** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.6727, 84.9084, 74.9841**, and the grayscale version is **75.2230, 79.1405, 86.1840**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.2140, 43.1871, 59.6425** is the 20% darker color. If you saturate the color by 10%, you get **64.5911, 69.6972, 104.6563**, and if you desaturate by 10%, it is **86.6641, 91.8546, 107.7698**.

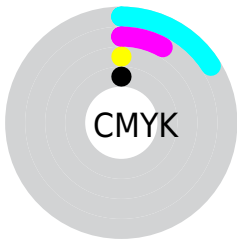
# Distribution



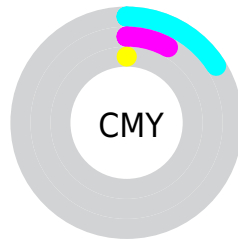
- Red (84%)
- Green (92%)
- Blue (100%)



- Red (84%)
- Yellow (89%)
- Blue (100%)



- Cyan (16%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (8%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.9134, 80.2118, 106.1418 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 74.9134, 80.2118, 106.1418 by changing the saturation by 10% instead.



74.9134, 80.2118,  
106.1418

74.9134, 80.2118,  
106.1418

466.6216,  
495.6463, 601.1235

55.8359, 59.8927,  
80.7943

125.1783,  
133.6635, 171.6974

40.3078, 43.3321,  
59.8422

157.0964,  
167.5648, 212.7424

27.9639, 30.1458,  
42.8670

194.0255,  
206.7623, 259.8571

18.4388, 19.9493,  
29.4501

236.3308,  
251.6404, 313.4600

11.3671, 12.3582,  
19.1731

284.3777,  
302.5834, 373.9695

6.3834, 6.9881,  
11.6173

338.5315,

3.1224, 3.4547,

359.9758, 441.8042

6.3643

399.1577,  
424.2020, 517.3827

■ 1.2188, 1.3735,  
2.9955

■ 0.1212, 0.1970,  
1.0923

■ 74.9134, 80.2118,  
106.1418

■ 74.9134, 80.2118,  
106.1418

■ 64.5911, 69.6972,  
104.6563

■ 86.6641, 91.8546,  
107.7698

■ 55.6311, 60.2623,  
103.3075

95.0500, 100.0000,  
108.9000

■ 47.9714, 51.8690,  
102.0911

■ 41.5423, 44.4725,  
101.0023

■ 36.2668, 38.0244,  
100.0357

■ 32.0586, 32.4706,  
99.1855

■ 28.8168, 27.7496,  
98.4451

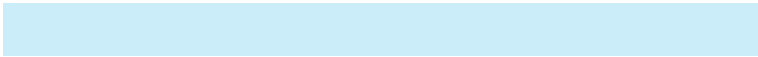
■ 26.4171, 23.7870,  
97.8068

■ 25.7071, 22.5342,  
97.6024

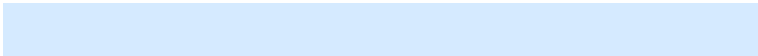
# Harmonies

## Analogous

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



72.0898, 80.2118, 101.3565



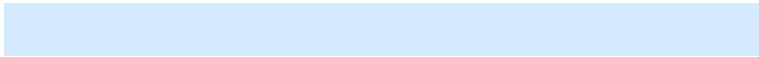
74.9134, 80.2118, 106.1418



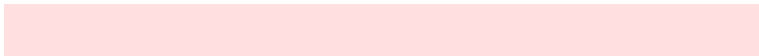
78.1725, 80.2118, 105.6321

# Triad

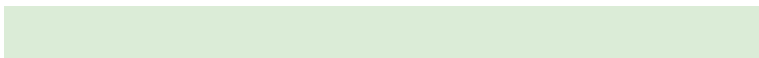
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.9134, 80.2118, 106.1418



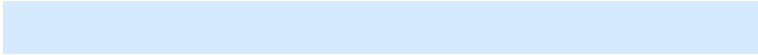
82.3847, 80.2118, 81.9598



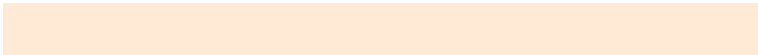
71.6786, 80.2118, 75.7826

# Complementary

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



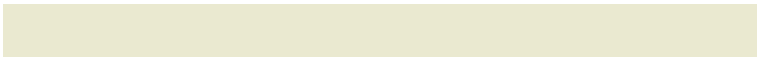
74.9134, 80.2118, 106.1418



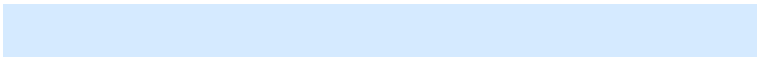
82.6727, 84.9084, 74.9841

# 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.



74.3375, 80.2118, 71.2866



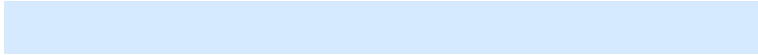
74.9134, 80.2118, 106.1418



80.5442, 80.2118, 74.6738

# Square

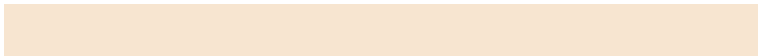
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.9134, 80.2118, 106.1418



82.5497, 80.2118, 91.2113



77.5800, 80.2118, 70.8958

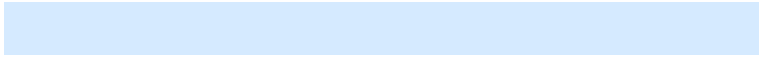


70.2583, 80.2118, 83.5740



# Rectangle

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



74.9134, 80.2118, 106.1418



80.1538, 80.2118, 102.3604



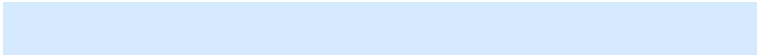
77.5800, 80.2118, 70.8958



72.4536, 80.2118, 73.8606

# Sweetspot

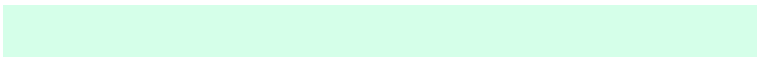
The Sweet Spot groups the original color and five complimentary colors.



74.9155, 80.2150, 106.1423



88.5141, 93.6620, 108.0211



77.9524, 91.5669, 90.8823



18.7555, 19.8619, 23.0952



0.0000, 0.0000, 0.0000

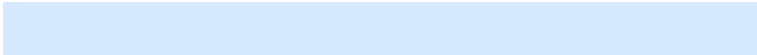


20.3446, 21.4041, 23.3091

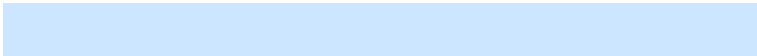


# Same Dimension

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



74.9155, 80.2150, 106.1423



71.1110, 76.3757, 105.6018



69.4626, 69.3092, 104.3247



17.7536, 18.8787, 22.9582



13.5818, 12.0732, 51.0491



1.4316, 1.3939, 5.0069



# Inverse Universe

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



79.8869, 74.7906, 88.0712



77.0463, 70.1311, 83.9746



88.7877, 97.1384, 77.0224



18.3883, 18.1386, 20.6617



23.6437, 11.9468, 12.0400

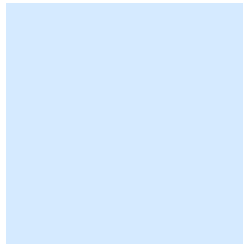


2.3572, 1.1853, 1.4626



# Previews

## White Background



This preview shows how the XYZ color 74.9134, 80.2118, 106.1418 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

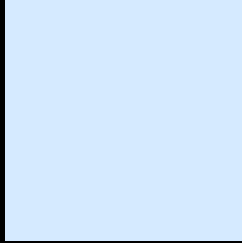
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.9134, 80.2118, 106.1418 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

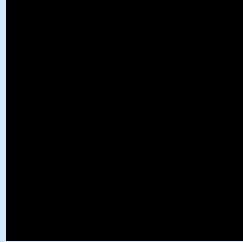
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

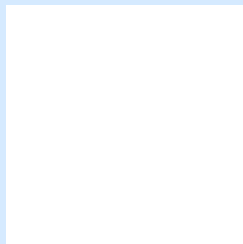
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 74.9134, 80.2118, 106.1418

## Background



This preview shows how black text looks on a background with the XYZ color 74.9134, 80.2118, 106.1418.



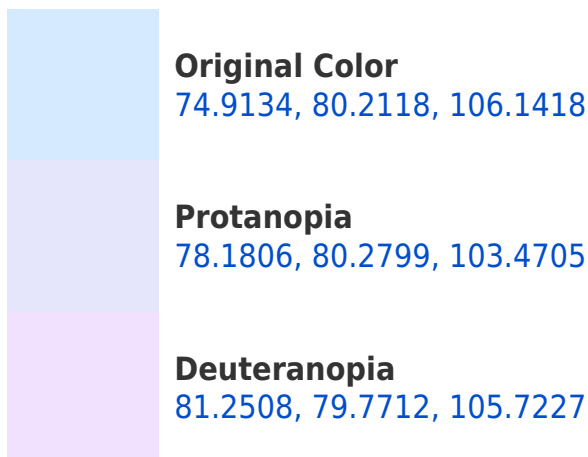
This preview shows how white text looks on a background with the XYZ color 74.9134, 80.2118,



# 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

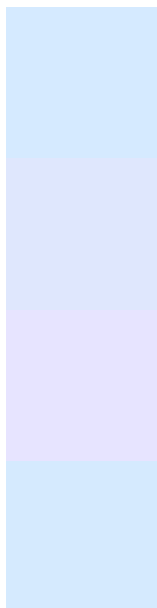




## Tritanopia

74.5930, 80.0836, 104.4547

# Trichromacy



## Original Color

74.9134, 80.2118, 106.1418

## Protanomaly

76.7370, 79.9317, 104.3124

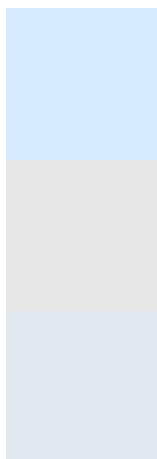
## Deuteranomaly

78.7484, 79.6957, 105.8401

## Tritanomaly

74.7528, 80.1475, 105.2961

# Monochromacy



## Original Color

74.9134, 80.2118, 106.1418

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

74.8964, 79.2311, 93.0070

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.9134, 80.2118, 106.1418 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(213, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(213, 234, 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(213, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 234, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 74.9134, 80.2118, 106.1418 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(213, 234, 255) }
```



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

```
.border{ border-color:rgb(213, 234, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(213, 234,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.9134, 80.2118, 106.1418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 234, 255) }
```

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

```
.background{ background-color: rgb(213,  
234, 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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