

# Converting Colors

XYZ(74.6235, 81.5839,  
101.1987)

Have a look what the booklet for  
XYZ(74.6235, 81.5839, 101.1987)  
contains.

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# **Color**

**XYZ(74.5344, 81.4050,  
101.4069)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4EDF9
RGB	212, 237, 249
RGB Percent	83%, 93%, 98%
CMY	0.1686, 0.0706, 0.0235
CMYK	0.15, 0.05, 0.00, 0.02
HSL	199°, 76%, 90%
HSV	199°, 15%, 98%
XYZ	74.5344, 81.4050, 101.4069
YIQ	230.8930, -18.7520, -1.5680

# Conversions

## Conversions Part 2

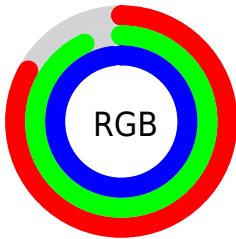
Format	Color
R <sub>Y</sub> B	212, 227, 249
Decimal	13954553
CIE Lab	92.31, -5.78, -8.57
CIE LCh	92, 10.337, 235.998
Yxy	81.4050, 0.2896, 0.3163
Android (android.graphics.Color)	4292144633 (0xFFD4EDF9)
YUV	230.8930, 8.9268, -16.5692
Hunter-Lab	90.2247, -10.4349, -3.4809

# Details

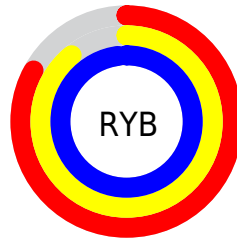
The XYZ color **74.5344, 81.4050, 101.4069** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.6067, 78.2041, 73.2933**, and the grayscale version is **75.8237, 79.7725, 86.8722**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.0541, 44.0661, 56.8466** is the 20% darker color. If you saturate the color by 10%, you get **65.6180, 73.4182, 100.3365**, and if you desaturate by 10%, it is **84.6677, 90.1797, 102.5678**.

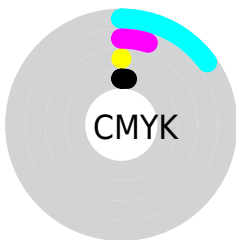
# Distribution



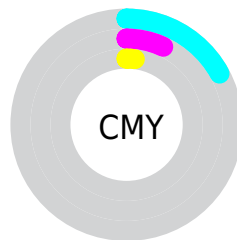
- Red (83%)
- Green (93%)
- Blue (98%)



- Red (83%)
- Yellow (89%)
- Blue (98%)



- Cyan (15%)
- Magenta (5%)
- Yellow (0%)
- Black (2%)



- Cyan (17%)
- Magenta (7%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.5344, 81.4050, 101.4069 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 74.5344, 81.4050, 101.4069 by changing the saturation by 10% instead.



■ 74.5344, 81.4050,  
101.4069

■ 74.5344, 81.4050,  
101.4069

465.3376,  
499.6553, 585.9791

■ 55.5244, 60.8752,  
76.8526

124.6445,  
135.3393, 165.1580

■ 40.0572, 44.1245,  
56.6211

156.4753,  
169.5126, 205.1918

■ 27.7676, 30.7684,  
40.2938

193.3104,  
209.0025, 251.2225

■ 18.2901, 20.4225,  
27.4521

235.5151,  
254.1934, 303.6688

■ 11.2594, 12.7026,  
17.6776

283.4548,  
305.4698, 362.9490

■ 6.3102, 7.2240,  
10.5518

337.4949,

■ 3.0770, 3.6026,

363.2159, 429.4818

5.6559

398.0007,  
427.8163, 503.6856

■ 1.1946, 1.4539,  
2.5716

■ 0.1021, 0.2559,  
0.8778

■ 74.5344, 81.4050,  
101.4069

■ 74.5344, 81.4050,  
101.4069

■ 65.6180, 73.4182,  
100.3365

■ 84.6677, 90.1797,  
102.5678

■ 57.8595, 66.1803,  
99.3484

■ 93.5124, 98.4462,  
103.6972

■ 51.2053, 59.6639,  
98.4413

■ 94.0991, 99.6197,  
103.8928

■ 45.5948, 53.8355,  
97.6120

■ 40.9607, 48.6584,  
96.8570

■ 37.2277, 44.0915,  
96.1722

■ 34.3081, 40.0872,  
95.5532

■ 32.0943, 36.5880,  
94.9945

■ 31.1512, 34.9437,  
94.7268

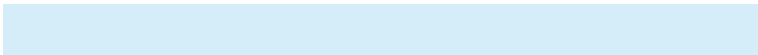
# Harmonies

## Analogous

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



72.8450, 81.4050, 95.2459



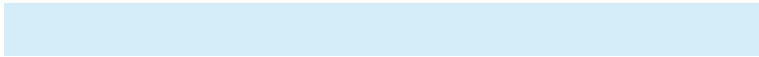
74.5344, 81.4050, 101.4069



77.0149, 81.4050, 104.1448

# Triad

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



74.5344, 81.4050, 101.4069



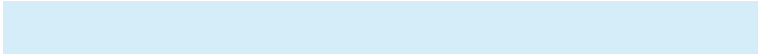
82.6139, 81.4050, 89.6674



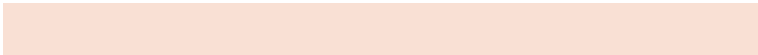
75.1420, 81.4050, 76.0541

# Complementary

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



74.5344, 81.4050, 101.4069



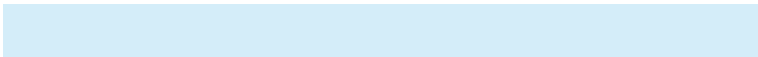
77.6067, 78.2041, 73.2933

# 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.



77.7322, 81.4050, 74.7491



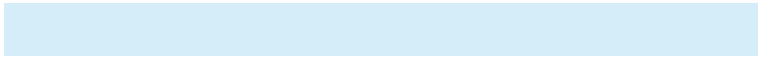
74.5344, 81.4050, 101.4069



82.0849, 81.4050, 82.3396

# Square

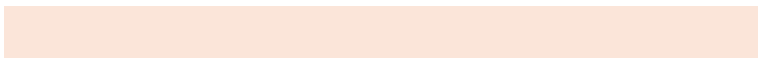
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.5344, 81.4050, 101.4069



81.7123, 81.4050, 97.1247



80.2828, 81.4050, 76.9854



73.1901, 81.4050, 80.6573



# Rectangle

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



74.5344, 81.4050, 101.4069



78.7981, 81.4050, 103.5512



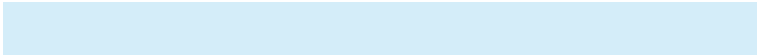
80.2828, 81.4050, 76.9854



75.9652, 81.4050, 75.2269

# Sweetspot

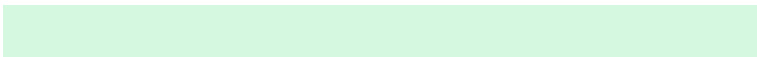
The Sweet Spot groups the original color and five complimentary colors.



74.5368, 81.4084, 101.4087



90.3505, 96.0246, 108.3804



74.4446, 87.1163, 83.2126



19.1547, 20.3965, 23.1773



0.0000, 0.0000, 0.0000

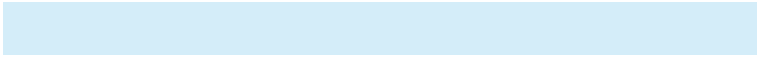


20.3446, 21.4041, 23.3091

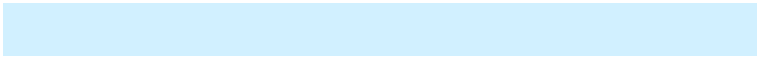


# Same Dimension

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



74.5368, 81.4084, 101.4087



75.5676, 83.1794, 106.6801



69.5267, 71.3881, 99.7387



17.2637, 18.6042, 22.0664



16.8091, 18.9738, 50.7499



1.6530, 1.9498, 4.7324



# Inverse Universe

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



77.8983, 73.3428, 90.1756



79.8107, 73.2083, 92.4539



82.7686, 88.5279, 75.0140



17.7396, 17.4232, 20.4846



24.7765, 12.3263, 21.3293

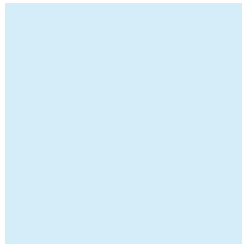


2.3433, 1.1611, 2.2312



# Previews

## White Background



This preview shows how the XYZ color 74.5344, 81.4050, 101.4069 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

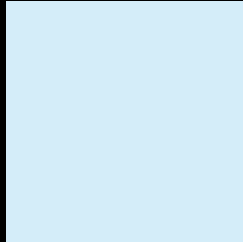
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.5344, 81.4050, 101.4069 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

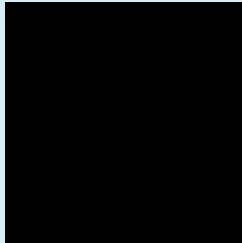
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

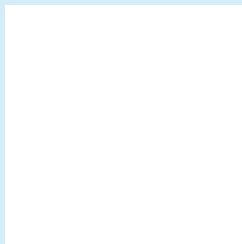
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.5344, 81.4050, 101.4069**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.5344, 81.4050, 101.4069.



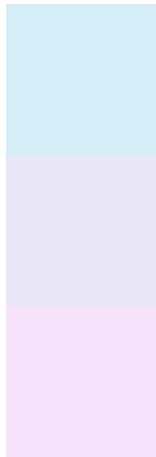
This preview shows how white text looks on a background with the XYZ color 74.5344, 81.4050,



# 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

74.5344, 81.4050, 101.4069

### Protanopia

78.6616, 81.0680, 97.8880

### Deuteranopia

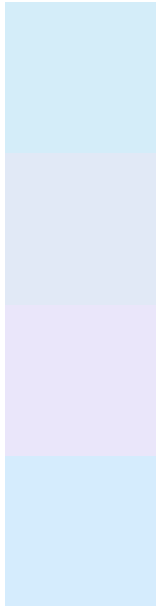
82.9667, 81.1319, 102.5540



## **Tritanopia**

75.4860, 81.3570, 106.3327

# Trichromacy



## Original Color

74.5344, 81.4050, 101.4069

## Protanomaly

76.8248, 80.9392, 98.7625

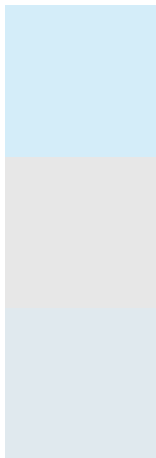
## Deuteranomaly

79.4838, 80.9882, 101.8855

## Tritanomaly

75.1656, 81.2289, 104.6456

# Monochromacy



## Original Color

74.5344, 81.4050, 101.4069

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

75.3120, 80.2982, 92.4186

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.5344, 81.4050, 101.4069 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(212, 237, 249)` looks like.

```
.text, #text, p{  
    color:rgb(212, 237, 249)  
}
```

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(212, 237, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 237, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 74.5344, 81.4050, 101.4069 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(212, 237, 249) }
```



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

```
.border{ border-color:rgb(212, 237, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 237, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 237, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 237, 249);  
box-shadow:4px 4px 4px 4px rgb(212, 237,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.5344, 81.4050, 101.4069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 237, 249) }
```

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

```
.background{ background-color: rgb(212,  
237, 249) }
```

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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