

# Converting Colors

XYZ(74.6902, 82.2721,  
100.2043)

Have a look what the booklet for  
XYZ(74.6902, 82.2721, 100.2043)  
contains.

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# Color

**XYZ(74.8064, 82.4455,  
99.9665)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4EFF7
RGB	212, 239, 247
RGB Percent	83%, 94%, 97%
CMY	0.1686, 0.0627, 0.0314
CMYK	0.14, 0.03, 0.00, 0.03
HSL	194°, 69%, 90%
HSV	194°, 14%, 97%
XYZ	74.8064, 82.4455, 99.9665
YIQ	231.8390, -18.6600, -3.2360

# Conversions

## Conversions Part 2

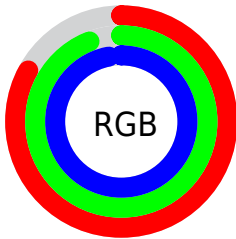
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	212, 227, 247
Decimal	13955063
CIE Lab	92.77, -7.20, -6.85
CIE LCh	93, 9.937, 223.560
Yxy	82.4455, 0.2908, 0.3205
Android (android.graphics.Color)	4292145143 (0xFFD4EFF7)
YUV	231.8390, 7.4744, -17.3988
Hunter-Lab	90.7995, -11.8395, -1.7162

# Details

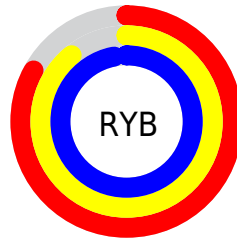
The XYZ color **74.8064, 82.4455, 99.9665** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.8351, 75.7137, 72.9062**, and the grayscale version is **76.5392, 80.5252, 87.6920**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.2421, 44.7967, 55.8159** is the 20% darker color. If you saturate the color by 10%, you get **66.5977, 75.8014, 99.1180**, and if you desaturate by 10%, it is **84.1607, 89.7612, 100.8869**.

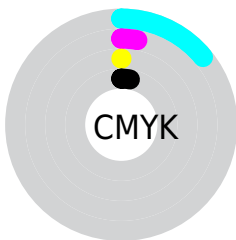
# Distribution



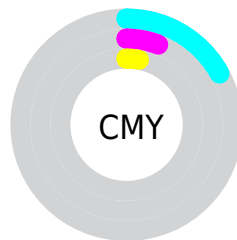
- Red (83%)
- Green (94%)
- Blue (97%)



- Red (83%)
- Yellow (89%)
- Blue (97%)



- Cyan (14%)
- Magenta (3%)
- Yellow (0%)
- Black (3%)



- Cyan (17%)
- Magenta (6%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.8064, 82.4455, 99.9665 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 74.8064, 82.4455, 99.9665 by changing the saturation by 10% instead.



■ 74.8064, 82.4455,  
99.9665

■ 74.8064, 82.4455,  
99.9665

466.2593,  
503.1367, 581.3310

■ 55.7479, 61.7328,  
75.6558

125.0276,  
136.7986, 163.1626

■ 40.2371, 44.8168,  
55.6454

156.9211,  
171.2077, 202.8852

■ 27.9085, 31.3132,  
39.5166

193.8236,  
210.9512, 248.5821

■ 18.3968, 20.8374,  
26.8509

236.1006,  
256.4134, 300.6719

■ 11.3366, 13.0052,  
17.2298

284.1172,  
307.9786, 359.5731

■ 6.3627, 7.4322,  
10.2348

338.2390,

■ 3.1096, 3.7338,

366.0313, 425.7044

5.4473

398.8313,  
430.9558, 499.4842

■ 1.2120, 1.5258,  
2.4487

■ 0.1158, 0.3068,  
0.8128

■ 74.8064, 82.4455,  
99.9665

■ 74.8064, 82.4455,  
99.9665

■ 66.5977, 75.8014,  
99.1180

■ 84.1607, 89.7612,  
100.8869

■ 59.4777, 69.7921,  
98.3334

■ 92.3051, 96.5282,  
101.7638

■ 53.3950, 64.3929,  
97.6118

■ 93.7887, 99.4955,  
102.2583

■ 48.2914, 59.5729,  
96.9505

■ 44.1027, 55.2983,  
96.3461

■ 40.7563, 51.5310,  
95.7953

■ 38.1684, 48.2270,  
95.2940

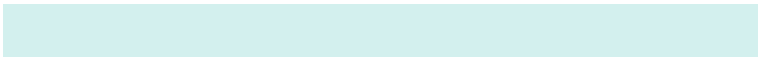
■ 36.2365, 45.3327,  
94.8372

■ 35.3255, 43.7891,  
94.5872

# Harmonies

## Analogous

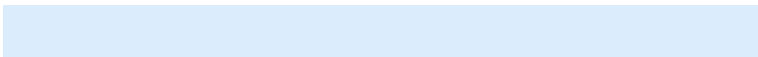
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.6172, 82.4455, 93.1568



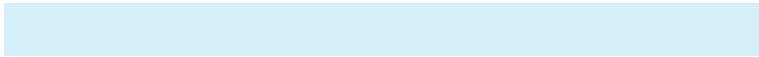
74.8064, 82.4455, 99.9665



76.9603, 82.4455, 104.1634

# Triad

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



74.8064, 82.4455, 99.9665



83.2388, 82.4455, 93.8685



77.1995, 82.4455, 76.5990

# Complementary

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



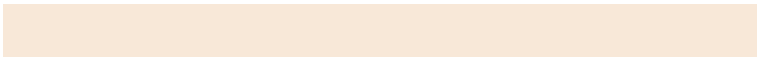
74.8064, 82.4455, 99.9665



75.8351, 75.7137, 72.9062

# 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.



79.7806, 82.4455, 76.7661



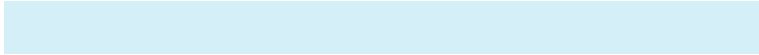
74.8064, 82.4455, 99.9665



83.3063, 82.4455, 86.4646

# Square

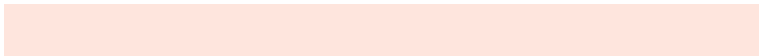
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.8064, 82.4455, 99.9665



81.8461, 82.4455, 100.5122



82.0285, 82.4455, 80.2899



74.9782, 82.4455, 79.8202

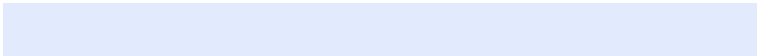


# Rectangle

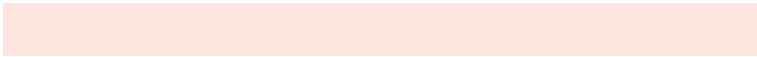
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



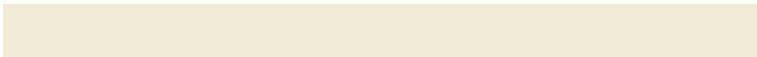
74.8064, 82.4455, 99.9665



78.6718, 82.4455, 104.7784



82.0285, 82.4455, 80.2899



78.0529, 82.4455, 76.2664

# Sweetspot

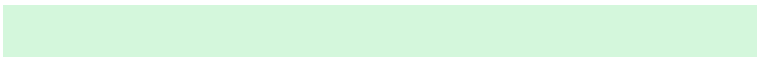
The Sweet Spot groups the original color and five complimentary colors.



74.8088, 82.4489, 99.9683



90.6575, 96.6386, 108.4827



73.2767, 85.6652, 80.0956



19.2325, 20.5522, 23.2033



0.0000, 0.0000, 0.0000

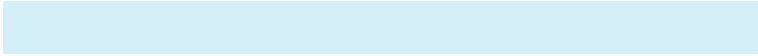


20.3446, 21.4041, 23.3091

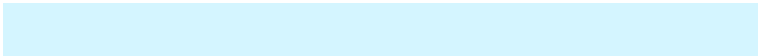


# Same Dimension

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



74.8088, 82.4489, 99.9683



77.7819, 86.5278, 107.2097



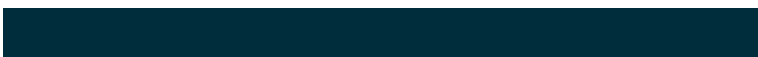
70.0405, 72.9123, 98.3789



16.6569, 18.0781, 21.1541



18.7946, 23.3831, 50.0608



1.7283, 2.2081, 4.4253



# Inverse Universe

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



77.4831, 73.0949, 91.6903



81.1921, 74.7706, 96.6157



80.5511, 85.1457, 74.4781



17.0422, 16.6997, 19.9685



25.2912, 12.4599, 27.3054

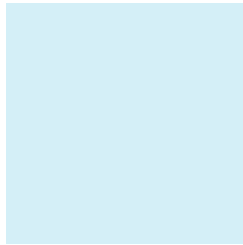


2.2614, 1.1105, 2.6031



# Previews

## White Background



This preview shows how the XYZ color 74.8064, 82.4455, 99.9665 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

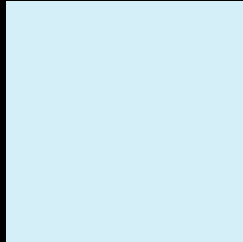
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.8064, 82.4455, 99.9665 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

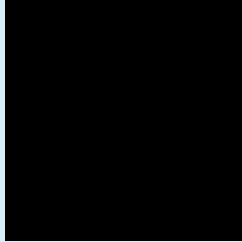
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 74.8064, 82.4455, 99.9665**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.8064, 82.4455, 99.9665.



This preview shows how white text looks on a background with the XYZ color 74.8064, 82.4455,

99.9665.

# 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

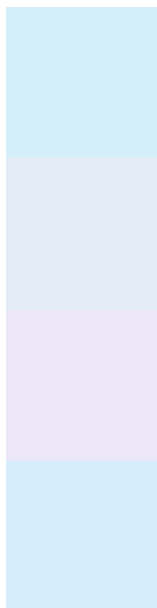




## Tritanopia

76.3585, 82.2354, 106.4562

# Trichromacy



## Original Color

74.8064, 82.4455, 99.9665

## Protanomaly

77.7160, 82.2792, 97.3734

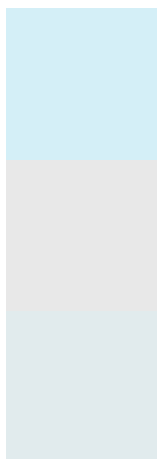
## Deuteranomaly

80.1113, 81.7620, 100.3663

## Tritanomaly

75.8768, 82.4735, 104.0153

# Monochromacy



## Original Color

74.8064, 82.4455, 99.9665

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

76.0457, 81.5386, 91.8513

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.8064, 82.4455, 99.9665 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, 239, 247)` looks like.

```
.text, #text, p{  
    color:rgb(212, 239, 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(212, 239, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 239, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 74.8064, 82.4455, 99.9665 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, 239, 247) }
```



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

```
.border{ border-color:rgb(212, 239, 247) }
```

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

Here you see how a box with a 4 pixel rgb(212, 239, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 239, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 239, 247);  
box-shadow:4px 4px 4px 4px rgb(212, 239,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.8064, 82.4455, 99.9665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 239, 247) }
```

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

```
.background{ background-color: rgb(212,  
239, 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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