

# Converting Colors

XYZ(77.4954, 88.7933, 94.6468)

Have a look what the booklet for  
XYZ(77.4954, 88.7933, 94.6468)  
contains.

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# Color

**XYZ(77.4972, 88.8994,  
94.7361)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6FAEF
RGB	214, 250, 239
RGB Percent	84%, 98%, 94%
CMY	0.1608, 0.0196, 0.0627
CMYK	0.14, 0.00, 0.04, 0.02
HSL	162°, 78%, 91%
HSV	162°, 14%, 98%
XYZ	77.4972, 88.8994, 94.7361
YIQ	237.9820, -17.9250, -11.0530

# Conversions

## Conversions Part 2

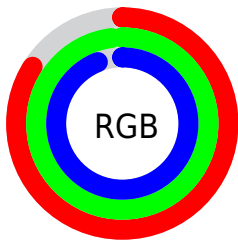
<b>Format</b>	<b>Color</b>
<b>RYB</b>	214, 235, 250
Decimal	14088943
CIELab	95.54, -13.66, 1.37
CIElCh	96, 13.728, 174.255
Yxy	88.8994, 0.2968, 0.3404
Android (android.graphics.Color)	4292279023 (0xFFD6FAEF)
YUV	237.9820, 0.5019, -21.0322
Hunter-Lab	94.2865, -18.2862, 6.4278

# Details

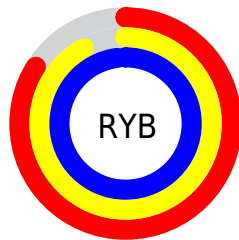
The XYZ color **77.4972, 88.8994, 94.7361** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.0648, 73.8558, 81.4321**, and the grayscale version is **81.2624, 85.4944, 93.1034**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9153, 48.9298, 52.0350** is the 20% darker color. If you saturate the color by 10%, you get **69.6488, 84.9835, 88.6014**, and if you desaturate by 10%, it is **86.5182, 93.4191, 101.1785**.

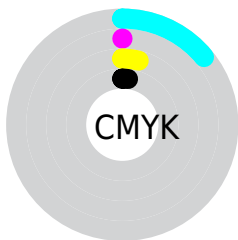
# Distribution



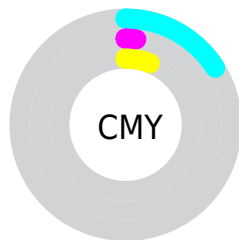
- Red (84%)
- Green (98%)
- Blue (94%)



- Red (84%)
- Yellow (92%)
- Blue (98%)



- Cyan (14%)
- Magenta (0%)
- Yellow (4%)
- Black (2%)




- Cyan (16%)
- Magenta (2%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.4972, 88.8994, 94.7361 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 77.4972, 88.8994, 94.7361 by changing the saturation by 10% instead.




 77.4972, 88.8994,  
94.7361

 77.4972, 88.8994,  
94.7361


475.3236,  
524.4441, 564.2825

 57.9624, 67.0682,  
71.3197


128.8102,  
145.8087, 155.8924

 42.0216, 49.1400,  
52.1197


161.3191,  
181.6555, 194.4694

 29.3093, 34.7306,  
36.7176


198.8834,  
222.9430, 238.9369

 19.4604, 23.4554,  
24.6948

241.8685,  
270.0555, 289.7136

 12.1094, 14.9301,  
15.6329

290.6397,  
323.3775, 347.2180

 6.8910, 8.7704,  
9.1132

345.5624,

 3.4397, 4.5917,

383.2933, 411.8686

4.7173

407.0019,  
450.1874, 484.0839

■ 1.3903, 2.0098,  
2.0265

■ 0.2493, 0.6131,  
0.5715

■ 77.4972, 88.8994,  
94.7361

■ 77.4972, 88.8994,  
94.7361

■ 69.6488, 84.9835,  
88.6014

■ 86.5182, 93.4191,  
101.1785

■ 62.9139, 81.6338,  
82.7631

■ 93.3621, 96.8085,  
107.7694

■ 57.2397, 78.8255,  
77.2174

■ 93.4773, 96.8546,  
108.3758

■ 52.5659, 76.5276,  
71.9584

■ 48.8258, 74.7059,  
66.9798

■ 45.9447, 73.3218,  
62.2747

■ 43.8354, 72.3305,  
57.8357

■ 42.3917, 71.6772,  
53.6544

■ 41.7880, 71.4148,  
51.4205

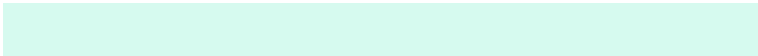
# Harmonies

## Analogous

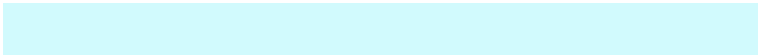
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.7567, 88.8994, 85.1847



77.4972, 88.8994, 94.7361



78.0674, 88.8994, 105.5640

# Triad

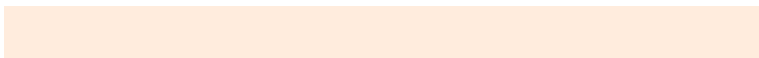
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.4972, 88.8994, 94.7361



87.5046, 88.8994, 116.9524



88.7954, 88.8994, 80.9279

# Complementary

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



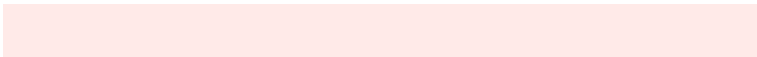
77.4972, 88.8994, 94.7361



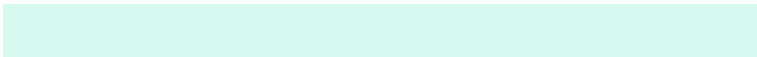
77.0648, 73.8558, 81.4321

# 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.



91.2686, 88.8994, 88.5281



77.4972, 88.8994, 94.7361



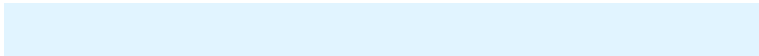
90.5080, 88.8994, 109.4179

# Square

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



77.4972, 88.8994, 94.7361



83.7737, 88.8994, 118.9210



91.9044, 88.8994, 98.8862

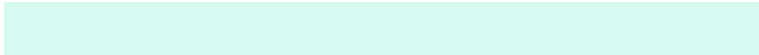


85.2228, 88.8994, 77.6015

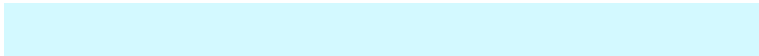


# Rectangle

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



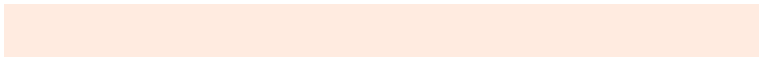
77.4972, 88.8994, 94.7361



79.4173, 88.8994, 111.9948



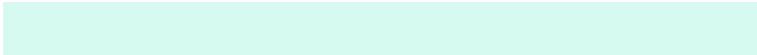
91.9044, 88.8994, 98.8862



89.7871, 88.8994, 83.0391

# Sweetspot

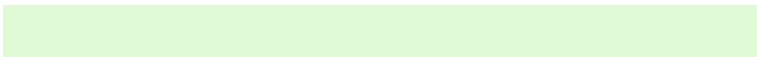
The Sweet Spot groups the original color and five complimentary colors.



77.4997, 88.9031, 94.7381



90.8985, 97.9174, 106.1070



77.5023, 89.3021, 76.7720



19.2938, 20.8770, 22.6001



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

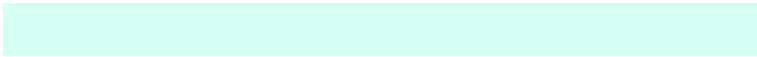


# Same Dimension

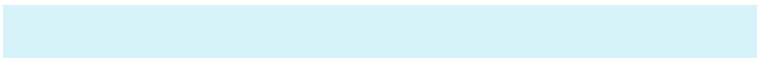
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.4997, 88.9031, 94.7381



78.8002, 91.8609, 97.3862



77.1602, 85.5427, 102.8915



17.5267, 19.5129, 20.9740



22.2318, 37.9057, 27.6275



2.1063, 3.5296, 2.8075



# Inverse Universe

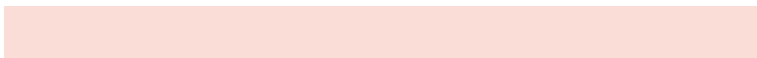
The Inverse Universe completely reimagines the original color for something new.



77.0648, 73.8558, 81.4321



78.2729, 73.6029, 81.2433



77.3158, 76.6835, 74.3462



17.4630, 17.3126, 19.0279



21.6673, 11.0826, 4.9566



2.0518, 1.0445, 0.6964



# Previews

## White Background



This preview shows how the XYZ color 77.4972, 88.8994, 94.7361 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

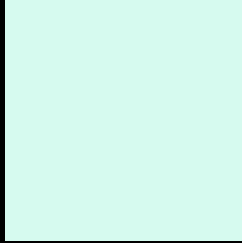
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.4972, 88.8994, 94.7361 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

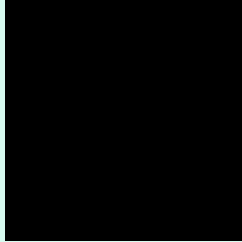
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

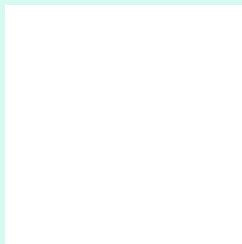
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 77.4972, 88.8994, 94.7361**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.4972, 88.8994, 94.7361.



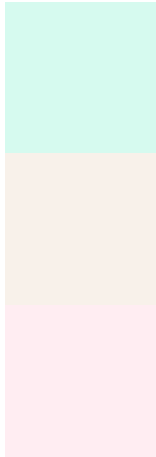
This preview shows how white text looks on a background with the XYZ color 77.4972, 88.8994,

94.7361.

# 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

77.4972, 88.8994, 94.7361

### Protanopia

85.0180, 88.8076, 90.5025

### Deuteranopia

87.5512, 88.2392, 96.4218



## Tritanopia

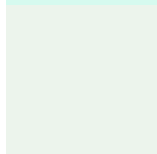
83.0338, 88.7444, 107.3608

# Trichromacy



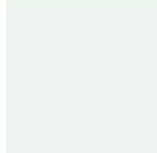
## Original Color

77.4972, 88.8994, 94.7361



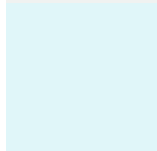
## Protanomaly

82.0831, 88.5904, 92.1303



## Deuteranomaly

83.5645, 88.3804, 95.8739



## Tritanomaly

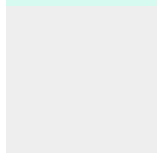
80.7951, 88.5984, 102.4654

# Monochromacy



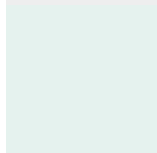
## Original Color

77.4972, 88.8994, 94.7361



## Achromatopsia

81.2670, 85.4993, 93.1087



## Achromatomaly

79.4978, 86.3353, 93.3633

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.4972, 88.8994, 94.7361 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(214, 250, 239) looks like.

```
.text, #text, p{  
    color:rgb(214, 250, 239)  
}
```

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(214, 250, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 250, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 77.4972, 88.8994, 94.7361 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(214, 250, 239) }
```



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

```
.border{ border-color:rgb(214, 250, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 250, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 250, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 250, 239);  
box-shadow:4px 4px 4px 4px rgb(214, 250,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.4972, 88.8994, 94.7361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 250, 239) }
```

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

```
.background{ background-color: rgb(214,  
250, 239) }
```

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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