

Converting Colors

XYZ(77.4939, 88.3686, 97.7665)

Have a look what the booklet for
XYZ(77.4939, 88.3686, 97.7665)
contains.

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Color

**XYZ(77.4939, 88.3686,
97.7665)**

Conversions

Conversions Part 1

Format	Color
Hex	D5F9F3
RGB	213, 249, 243
RGB Percent	84%, 98%, 95%
CMY	0.1647, 0.0235, 0.0471
CMYK	0.14, 0.00, 0.02, 0.02
HSL	170°, 75%, 91%
HSV	170°, 14%, 98%
XYZ	77.4939, 88.3686, 97.7665
YIQ	237.5520, -19.5300, -9.4980

Conversions

Conversions Part 2

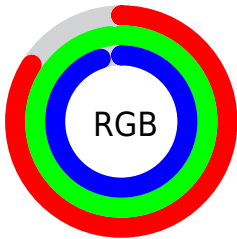
Format	Color
R _Y B	213, 233, 249
Decimal	14023155
CIE Lab	95.32, -12.71, -1.02
CIE LCh	95, 12.748, 184.607
Yxy	88.3686, 0.2940, 0.3352
Android (android.graphics.Color)	4292213235 (0xFFD5F9F3)
YUV	237.5520, 2.6859, -21.5321
Hunter-Lab	94.0046, -17.3592, 4.1405

Details

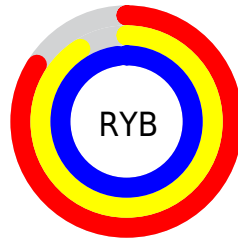
The XYZ color **77.4939, 88.3686, 97.7665** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.6505, 72.8450, 77.0950**, and the grayscale version is **80.9146, 85.1284, 92.7049**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1402, 48.9969, 54.2500** is the 20% darker color. If you saturate the color by 10%, you get **70.1992, 84.6820, 94.1903**, and if you desaturate by 10%, it is **85.9168, 92.6399, 101.4733**.

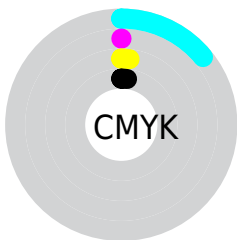
Distribution



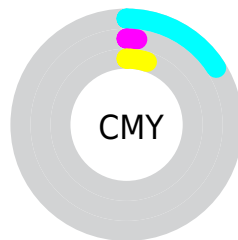
- Red (84%)
- Green (98%)
- Blue (95%)



- Red (84%)
- Yellow (91%)
- Blue (98%)



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



- Cyan (16%)
- Magenta (2%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.4939, 88.3686, 97.7665 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 77.4939, 88.3686, 97.7665 by changing the saturation by 10% instead.

77.4939, 88.3686,
97.7665

77.4939, 88.3686,
97.7665

475.3125,
522.7096, 574.1933

57.9597, 66.6284,
73.8301

128.8056,
145.0702, 160.1094

42.0194, 48.7827,
54.1591

161.3137,
180.8004, 199.3531

29.3076, 34.4471,
38.3348

198.8772,
221.9627, 244.5362

19.4591, 23.2373,
25.9388

241.8615,
268.9415, 296.0774

12.1085, 14.7688,
16.5525

290.6317,
322.1212, 354.3951

6.8903, 8.6573,
9.7574

345.5534,

3.4393, 4.5183,

381.8862, 419.9080

5.1349

406.9919,
448.6208, 493.0345

■ 1.3901, 1.9675,
2.2665

■ 0.2492, 0.5885,
0.7124

■ 77.4939, 88.3686,
97.7665

■ 77.4939, 88.3686,
97.7665

■ 70.1992, 84.6820,
94.1903

■ 85.9168, 92.6399,
101.4733

■ 63.9745, 81.5431,
90.7358

■ 92.5782, 95.9990,
105.1703

■ 58.7680, 78.9275,
87.4021

■ 93.1673, 96.2347,
108.2724

■ 54.5204, 76.8046,
84.1858

■ 51.1664, 75.1407,
81.0834

■ 48.6322, 73.8979,
78.0910

■ 46.8321, 73.0319,
75.2040

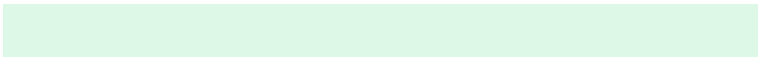
■ 45.6613, 72.4888,
72.4170

■ 45.1990, 72.2834,
70.9117

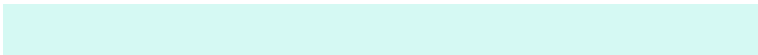
Harmonies

Analogous

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



78.0879, 88.3686, 88.2285



77.4939, 88.3686, 97.7665



78.6012, 88.3686, 107.5233

Triad

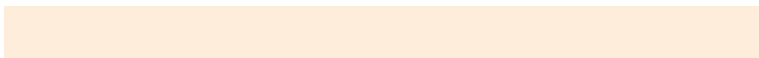
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.4939, 88.3686, 97.7665



87.8515, 88.3686, 112.8774



86.8954, 88.3686, 79.9165

Complementary

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



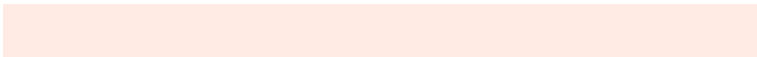
77.4939, 88.3686, 97.7665



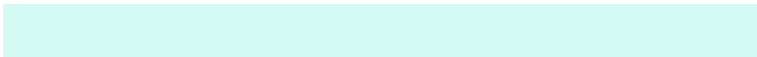
75.6505, 72.8450, 77.0950

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.



89.6232, 88.3686, 85.7350



77.4939, 88.3686, 97.7665



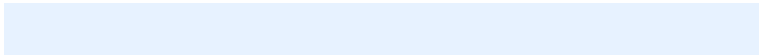
90.1858, 88.3686, 104.6766

Square

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



77.4939, 88.3686, 97.7665



84.5305, 88.3686, 116.6224



90.8429, 88.3686, 94.6867



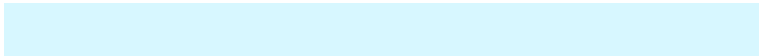
83.4552, 88.3686, 78.3449

Rectangle

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



77.4939, 88.3686, 97.7665



80.1737, 88.3686, 112.7095



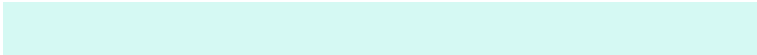
90.8429, 88.3686, 94.6867



87.9291, 88.3686, 81.4198

Sweetspot

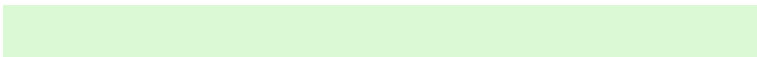
The Sweet Spot groups the original color and five complimentary colors.



77.4964, 88.3723, 97.7685



91.1238, 98.0075, 107.2931



75.2829, 87.7126, 75.9145



19.3510, 20.8999, 22.9010



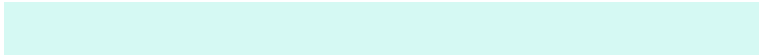
0.0000, 0.0000, 0.0000



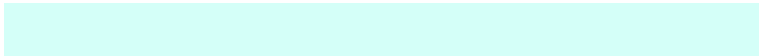
20.3446, 21.4041, 23.3091

Same Dimension

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



77.4964, 88.3723, 97.7685



79.7184, 92.2282, 102.2213



75.0003, 81.9052, 101.4833



17.6342, 19.5560, 21.5403



24.2389, 38.7086, 38.1971



2.2769, 3.5979, 3.7058

Inverse Universe

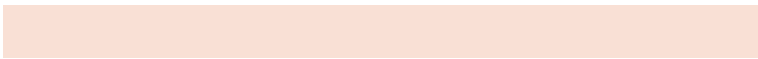
The Inverse Universe completely reimagines the original color for something new.



75.6505, 72.8450, 77.0950



77.4663, 73.2802, 76.9957



77.8434, 78.4732, 73.9962



17.3627, 17.2724, 18.4996



21.1654, 10.8819, 2.3136



1.9927, 1.0208, 0.3851

Previews

White Background



This preview shows how the XYZ color 77.4939, 88.3686, 97.7665 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 77.4939, 88.3686, 97.7665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

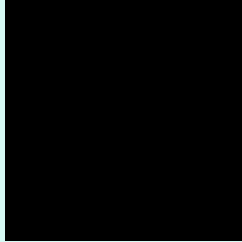
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

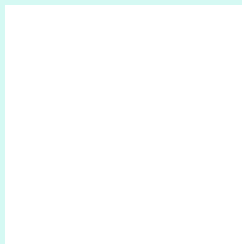
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.4939, 88.3686, 97.7665

Background



This preview shows how black text looks on a background with the XYZ color 77.4939, 88.3686, 97.7665.



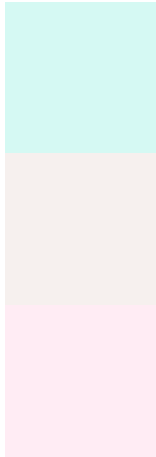
This preview shows how white text looks on a background with the XYZ color 77.4939, 88.3686,

97.7665.

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

77.4939, 88.3686, 97.7665

Protanopia

84.5987, 88.0861, 93.4324

Deuteranopia

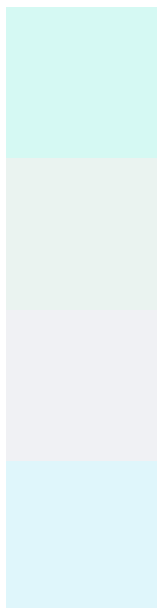
87.5646, 87.7826, 97.9165



Tritanopia

82.3956, 88.4153, 107.3309

Trichromacy



Original Color

77.4939, 88.3686, 97.7665

Protanomaly

81.7105, 87.8849, 95.0950

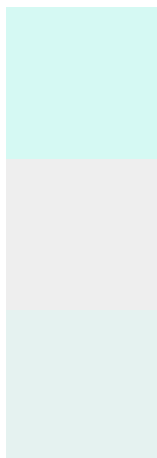
Deuteranomaly

83.7196, 87.9675, 98.1549

Tritanomaly

80.7998, 88.5645, 104.1029

Monochromacy



Original Color

77.4939, 88.3686, 97.7665

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

79.7934, 86.4535, 94.9197

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.4939, 88.3686, 97.7665 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, 249, 243)` looks like.

```
.text, #text, p{  
    color:rgb(213, 249, 243)  
}
```

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, 249, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 249, 243) }
```

Border

The CSS property to change the border of an element to XYZ 77.4939, 88.3686, 97.7665 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, 249, 243) }
```


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

```
.border{ border-color:rgb(213, 249, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 249, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 249, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 249, 243);  
box-shadow:4px 4px 4px 4px rgb(213, 249,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 77.4939, 88.3686, 97.7665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 249, 243) }
```

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

```
.background{ background-color: rgb(213,  
249, 243) }
```

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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