

Converting Colors

XYZ(78.8293, 100.0000,
91.8646)

Have a look what the booklet for
XYZ(78.8293, 100.0000, 91.8646)
contains.

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Color

**XYZ(73.4939, 89.2735,
90.4488)**

Conversions

Conversions Part 1

Format	Color
Hex	C5FFE9
RGB	197, 255, 233
RGB Percent	77%, 100%, 91%
CMY	0.2274, 0.0000, 0.0863
CMYK	0.23, 0.00, 0.09, 0.00
HSL	157°, 100%, 89%
HSV	157°, 23%, 100%
XYZ	73.4939, 89.2735, 90.4488
YIQ	235.1500, -27.5060, -19.1380

Conversions

Conversions Part 2

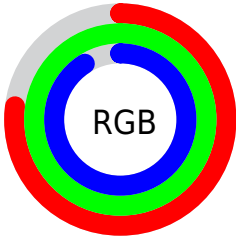
Format	Color
RYB	197, 233, 255
Decimal	12976105
CIELab	95.69, -22.52, 4.57
CIELCh	96, 22.977, 168.532
Yxy	89.2735, 0.2902, 0.3526
Android (android.graphics.Color)	4291166185 (0xFFC5FFE9)
YUV	235.1500, -1.0600, -33.4576
Hunter-Lab	94.4847, -26.5038, 9.3818

Details

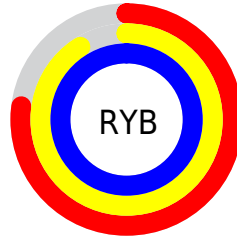
The XYZ color **73.4939, 89.2735, 90.4488** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.9929, 66.3079, 75.9168**, and the grayscale version is **79.1024, 83.2218, 90.6286**.

A 20% lighter version of the original color is **94.6831, 99.8108, 108.8828**, and **39.2852, 49.3133, 49.0428** is the 20% darker color. If you saturate the color by 10%, you get **66.0280, 85.5800, 83.0841**, and if you desaturate by 10%, it is **82.1666, 93.5804, 98.2682**.

Distribution



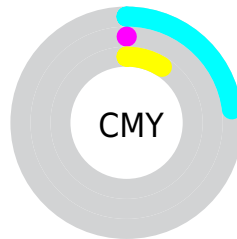
- Red (77%)
- Green (100%)
- Blue (91%)



- Red (77%)
- Yellow (91%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.4939, 89.2735, 90.4488 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 73.4939, 89.2735, 90.4488 by changing the saturation by 10% instead.


 73.4939, 89.2735,
90.4488

 73.4939, 89.2735,
90.4488


461.8021,
525.6647, 550.0974

 54.6697, 67.3782,
67.7771


123.1775,
146.3288, 149.9026

 39.3702, 49.3921,
49.2509

154.7676,
182.2577, 187.5218

 27.2298, 34.9306,
34.4515


191.3437,
223.6333, 230.9606

 17.8834, 23.6094,
22.9605

233.2712,
270.8399, 280.6375

 10.9655, 15.0441,
14.3593

280.9155,
324.2619, 336.9712

 6.1107, 8.8504,
8.2294

334.6418,

 2.9538, 4.6437,

384.2838, 400.3800

4.1522

394.8156,
451.2900, 471.2826

■ 1.1294, 2.0398,
1.7092

■ 0.0495, 0.6304,
0.3670

■ 73.4939, 89.2735,
90.4488

■ 73.4939, 89.2735,
90.4488

■ 66.0280, 85.5800,
83.0841

■ 82.1666, 93.5804,
98.2682

■ 59.7084, 82.4688,
76.1608

■ 92.0977, 98.5270,
106.5465

■ 54.4730, 79.9080,
69.6709

■ 95.0500, 100.0000,
108.9000

■ 50.2525, 77.8622,
63.6046

■ 46.9693, 76.2913,
57.9515

■ 44.5338, 75.1495,
52.7004

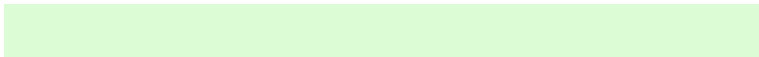
■ 42.8377, 74.3810,
47.8392

■ 41.9558, 73.9983,
44.5465

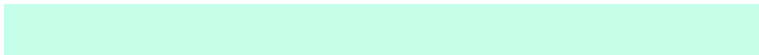
Harmonies

Analogous

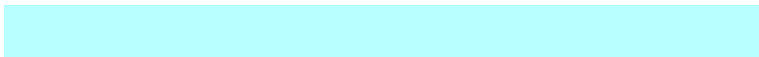
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.0702, 89.2735, 75.9362



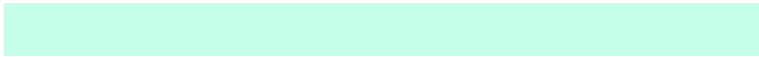
73.4939, 89.2735, 90.4488



73.8465, 89.2735, 108.6865

Triad

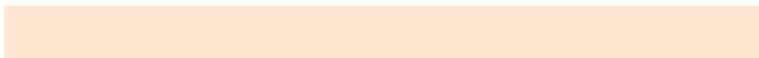
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.4939, 89.2735, 90.4488



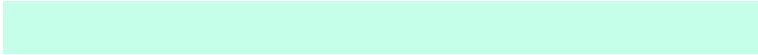
88.7718, 89.2735, 134.0649



93.1536, 89.2735, 73.3940

Complementary

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



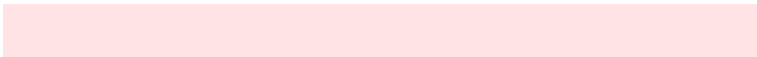
73.4939, 89.2735, 90.4488



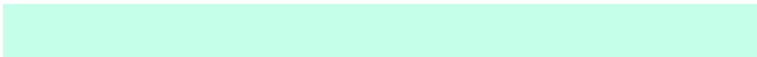
73.9929, 66.3079, 75.9168

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.



96.8996, 89.2735, 86.5595



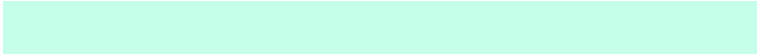
73.4939, 89.2735, 90.4488



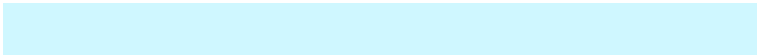
94.2844, 89.2735, 122.1119

Square

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



73.4939, 89.2735, 90.4488



82.4592, 89.2735, 135.4443



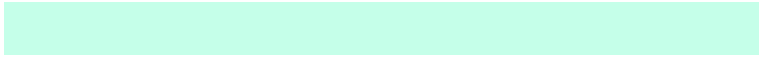
97.3234, 89.2735, 104.2867



87.2902, 89.2735, 66.9373

Rectangle

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



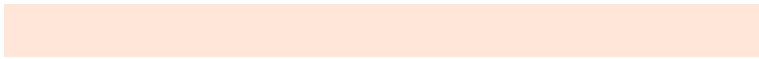
73.4939, 89.2735, 90.4488



75.6987, 89.2735, 120.5286



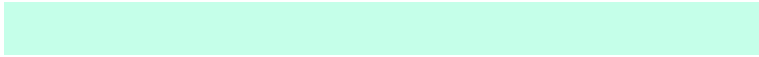
97.3234, 89.2735, 104.2867



94.7144, 89.2735, 77.1006

Sweetspot

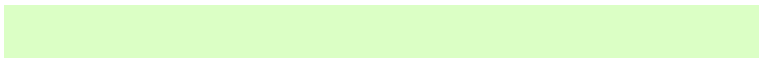
The Sweet Spot groups the original color and five complimentary colors.



73.4948, 89.2739, 90.4503



87.7141, 96.3419, 102.9667



75.1223, 90.6478, 66.3620



18.6454, 20.5569, 21.9319



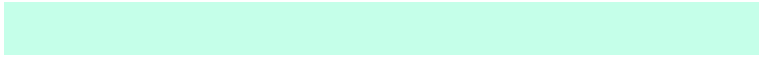
0.0000, 0.0000, 0.0000



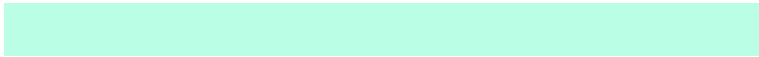
20.3446, 21.4041, 23.3091

Same Dimension

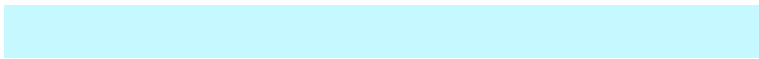
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.4948, 89.2739, 90.4503



70.1731, 87.6287, 87.2607



74.7158, 86.3691, 107.3407



18.2457, 20.3578, 21.5966



21.9978, 38.6957, 23.6714



2.1951, 3.7890, 2.5850

Inverse Universe

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



73.9929, 66.3079, 75.9168



70.7475, 61.2079, 70.5477



72.8562, 68.3671, 62.1808



18.2944, 18.1011, 20.1675



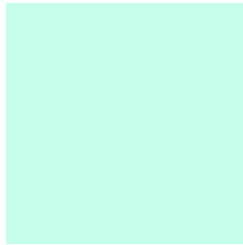
22.7362, 11.5838, 7.2611



2.2649, 1.1483, 0.9763

Previews

White Background



This preview shows how the XYZ color 73.4939, 89.2735, 90.4488 looks on a white background.

Color Contrast Check

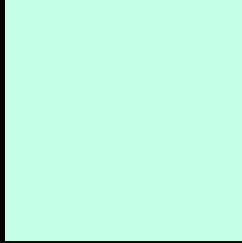
Large Text (above 18pt) WCAG AA × Fail

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 73.4939, 89.2735, 90.4488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

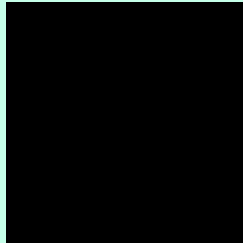
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

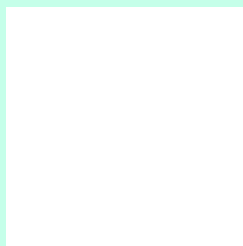
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.4939, 89.2735, 90.4488

Background



This preview shows how black text looks on a background with the XYZ color 73.4939, 89.2735, 90.4488.



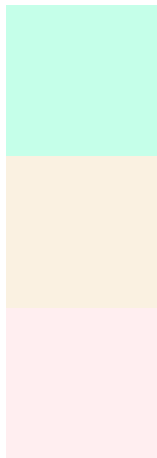
This preview shows how white text looks on a background with the XYZ color 73.4939, 89.2735,

90.4488.

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

73.4939, 89.2735, 90.4488

Protanopia

84.4702, 88.6708, 83.8973

Deuteranopia

87.5427, 88.7003, 94.9450



Tritanopia

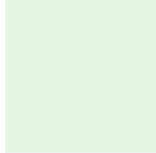
82.0664, 88.6936, 107.4019

Trichromacy



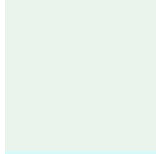
Original Color

73.4939, 89.2735, 90.4488



Protanomaly

79.9144, 88.5019, 86.2694



Deuteranomaly

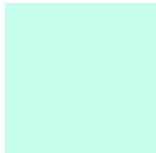
81.5684, 88.3082, 92.8668



Tritanomaly

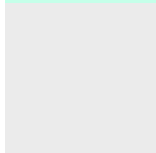
78.6885, 88.9138, 101.0104

Monochromacy



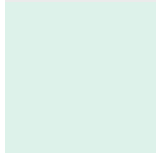
Original Color

73.4939, 89.2735, 90.4488



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.4222, 84.8169, 90.1853

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.4939, 89.2735, 90.4488 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(197, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 233)  
}
```

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(197, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 233) }
```

Border

The CSS property to change the border of an element to XYZ 73.4939, 89.2735, 90.4488 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(197, 255, 233) }
```


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

```
.border{ border-color:rgb(197, 255, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(197, 255,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 73.4939, 89.2735, 90.4488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 233) }
```

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

```
.background{ background-color: rgb(197,  
255, 233) }
```

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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