

Converting Colors

XYZ(83.7209, 109.4838,
96.7652)

Have a look what the booklet for
XYZ(83.7209, 109.4838, 96.7652)
contains.

XYZ(73.5517, 89.2365, 93.4685)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(73.5517, 89.2365,
93.4685)**

Conversions

Conversions Part 1

Format	Color
Hex	C3FFED
RGB	195, 255, 237
RGB Percent	76%, 100%, 93%
CMY	0.2353, 0.0000, 0.0706
CMYK	0.24, 0.00, 0.07, 0.00
HSL	162°, 100%, 88%
HSV	162°, 24%, 100%
XYZ	73.5517, 89.2365, 93.4685
YIQ	235.0080, -29.9820, -18.3180

Conversions

Conversions Part 2

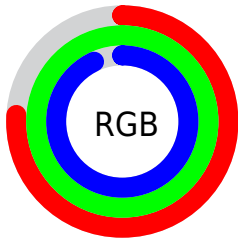
Format	Color
R _Y B	195, 230, 255
Decimal	12845037
CIE Lab	95.68, -22.33, 2.47
CIE LCh	96, 22.468, 173.682
Yxy	89.2365, 0.2870, 0.3482
Android (android.graphics.Color)	4291035117 (0xFFC3FFED)
YUV	235.0080, 0.9821, -35.0870
Hunter-Lab	94.4651, -26.3315, 7.4610

Details

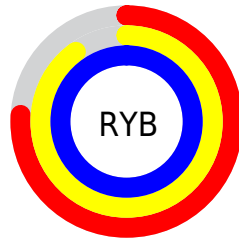
The XYZ color **73.5517, 89.2365, 93.4685** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.7659, 65.0954, 71.6806**, and the grayscale version is **78.9806, 83.0937, 90.4891**.

A 20% lighter version of the original color is **93.9549, 99.4354, 108.8487**, and **39.3498, 49.2998, 51.1579** is the 20% darker color. If you saturate the color by 10%, you get **66.4223, 85.6875, 87.4254**, and if you desaturate by 10%, it is **81.8557, 93.3854, 99.8183**.

Distribution



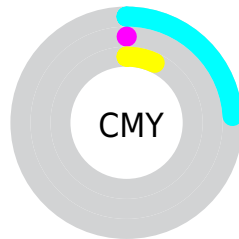
- Red (76%)
- Green (100%)
- Blue (93%)



- Red (76%)
- Yellow (90%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)



- Cyan (24%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.5517, 89.2365, 93.4685 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 73.5517, 89.2365, 93.4685 by changing the saturation by 10% instead.

73.5517, 89.2365,
93.4685

73.5517, 89.2365,
93.4685

461.9989,
525.5441, 560.1089

54.7172, 67.3476,
70.2711

123.2590,
146.2774, 154.1244

39.4083, 49.3671,
51.2694

154.8625,
182.1982, 192.4200

27.2596, 34.9108,
36.0449

191.4531,
223.5650, 236.5854

17.9059, 23.5942,
24.1789

233.3960,
270.7623, 287.0392

10.9817, 15.0329,
15.2529

281.0567,
324.1745, 344.1999

6.1218, 8.8424,
8.8485

334.8006,

2.9606, 4.6386,

384.1859, 408.4861

4.5470

394.9928,
451.1810, 480.3163

■ 1.1330, 2.0368,
1.9300

■ 0.0524, 0.6287,
0.5117

■ 73.5517, 89.2365,
93.4685

■ 73.5517, 89.2365,
93.4685

■ 66.4223, 85.6875,
87.4254

■ 81.8557, 93.3854,
99.8183

■ 60.4070, 82.7075,
81.6789

■ 91.3853, 98.1606,
106.4760

■ 55.4440, 80.2646,
76.2244

95.0500, 100.0000,
108.9000

■ 51.4641, 78.3232,
71.0554

■ 48.3896, 76.8432,
66.1651

■ 46.1304, 75.7785,
61.5460

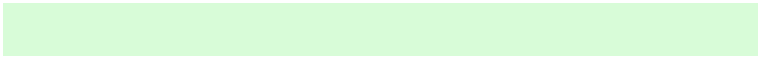
■ 44.5771, 75.0725,
57.1895

■ 43.8467, 74.7547,
54.5038

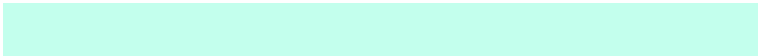
Harmonies

Analogous

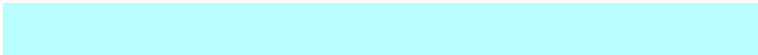
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.6028, 89.2365, 78.3792



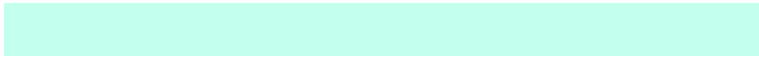
73.5517, 89.2365, 93.4685



74.3988, 89.2365, 111.4753

Triad

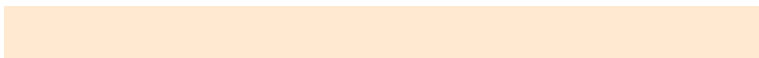
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.5517, 89.2365, 93.4685



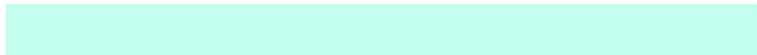
89.6769, 89.2365, 131.7585



92.0466, 89.2365, 72.2538

Complementary

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



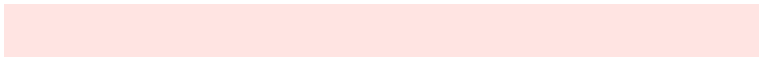
73.5517, 89.2365, 93.4685



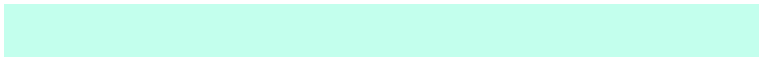
72.7659, 65.0954, 71.6806

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.



96.1641, 89.2365, 84.1320



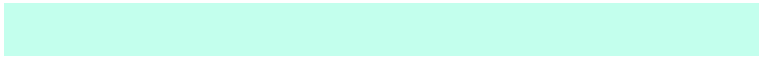
73.5517, 89.2365, 93.4685



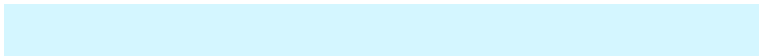
94.7502, 89.2365, 118.7318

Square

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



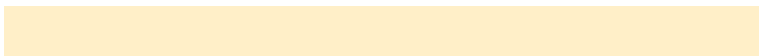
73.5517, 89.2365, 93.4685



83.5165, 89.2365, 135.0415



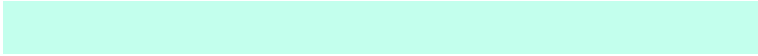
97.1767, 89.2365, 100.9544



86.1302, 89.2365, 67.1266

Rectangle

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



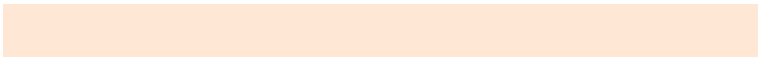
73.5517, 89.2365, 93.4685



76.5147, 89.2365, 122.5984



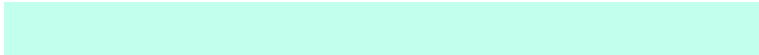
97.1767, 89.2365, 100.9544



93.6984, 89.2365, 75.5146

Sweetspot

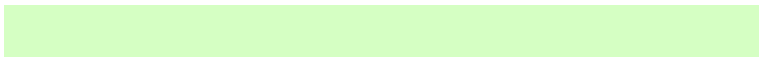
The Sweet Spot groups the original color and five complimentary colors.



73.5526, 89.2369, 93.4700



87.9349, 96.4303, 104.1294



73.0516, 89.6066, 65.0767



18.6966, 20.5773, 22.2015



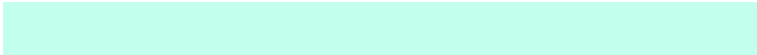
0.0000, 0.0000, 0.0000



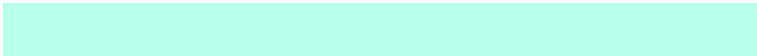
20.3446, 21.4041, 23.3091

Same Dimension

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



73.5526, 89.2369, 93.4700



70.2227, 87.5775, 90.7299



72.6070, 82.9239, 106.7869



18.3091, 20.3832, 21.9306



22.9800, 39.0886, 28.8436



2.2858, 3.8253, 3.0629

Inverse Universe

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



72.7659, 65.0954, 71.6806



69.3192, 59.7837, 65.6553



73.4039, 69.8268, 61.2402



18.2336, 18.0768, 19.8473



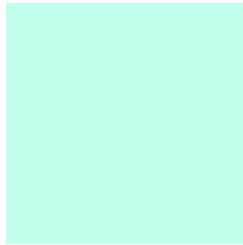
22.2966, 11.4079, 4.9464



2.2167, 1.1291, 0.7227

Previews

White Background



This preview shows how the XYZ color 73.5517, 89.2365, 93.4685 looks on a white background.

Color Contrast Check

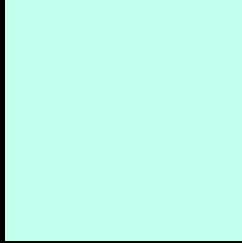
Large Text (above 18pt) WCAG AA × Fail

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 73.5517, 89.2365, 93.4685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

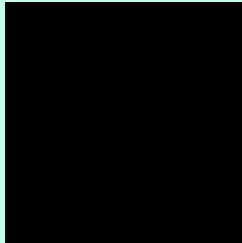
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

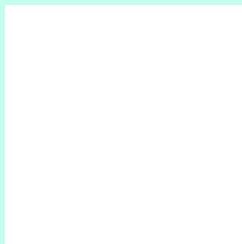
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.5517, 89.2365, 93.4685

Background



This preview shows how black text looks on a background with the XYZ color 73.5517, 89.2365, 93.4685.



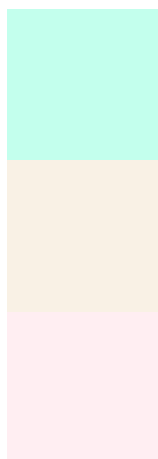
This preview shows how white text looks on a background with the XYZ color 73.5517, 89.2365,

93.4685.

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

73.5517, 89.2365, 93.4685

Protanopia

84.6651, 88.7075, 86.7887

Deuteranopia

87.8415, 88.8199, 96.5186



Tritanopia

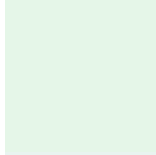
82.0571, 89.1391, 107.4884

Trichromacy



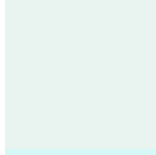
Original Color

73.5517, 89.2365, 93.4685



Protanomaly

79.8344, 88.3957, 89.1983



Deuteranomaly

81.6831, 88.3163, 95.1797



Tritanomaly

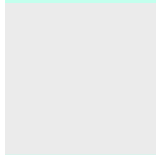
78.5505, 88.8248, 101.8118

Monochromacy



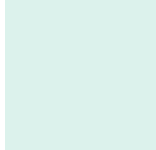
Original Color

73.5517, 89.2365, 93.4685



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.4077, 84.7760, 91.6932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.5517, 89.2365, 93.4685 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(195, 255, 237)` looks like.

```
.text, #text, p{  
    color:rgb(195, 255, 237)  
}
```

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(195, 255, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 255, 237) }
```

Border

The CSS property to change the border of an element to XYZ 73.5517, 89.2365, 93.4685 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(195, 255, 237) }
```


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

```
.border{ border-color:rgb(195, 255, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 255, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(195, 255,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 73.5517, 89.2365, 93.4685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 255, 237) }
```

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

```
.background{ background-color: rgb(195,  
255, 237) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor