

# Converting Colors

XYZ(99.7712, 141.4118,  
103.3677)

Have a look what the booklet for  
XYZ(99.7712, 141.4118, 103.3677)  
contains.

<b>XYZ(73.8457, 89.3541, 95.0163)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(73.8457, 89.3541,  
95.0163)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3FFEF
RGB	195, 255, 239
RGB Percent	76%, 100%, 94%
CMY	0.2353, 0.0000, 0.0627
CMYK	0.24, 0.00, 0.06, 0.00
HSL	164°, 100%, 88%
HSV	164°, 24%, 100%
XYZ	73.8457, 89.3541, 95.0163
YIQ	235.2360, -30.6240, -17.6960

# Conversions

## Conversions Part 2

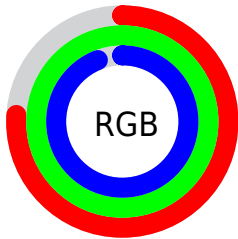
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	195, 230, 255
Decimal	12845039
CIE <sub>Lab</sub>	95.73, -21.93, 1.51
CIE <sub>LCh</sub>	96, 21.984, 176.053
Yxy	89.3541, 0.2860, 0.3460
Android (android.graphics.Color)	4291035119 (0xFFC3FFEF)
YUV	235.2360, 1.8557, -35.2870
Hunter-Lab	94.5273, -25.9767, 6.5724

# Details

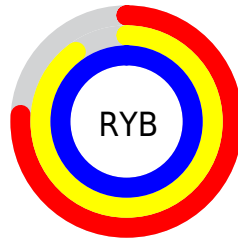
The XYZ color **73.8457, 89.3541, 95.0163** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.5137, 64.9946, 70.3519**, and the grayscale version is **79.1482, 83.2701, 90.6811**.

A 20% lighter version of the original color is **93.9549, 99.4354, 108.8487**, and **39.5565, 49.3825, 52.2467** is the 20% darker color. If you saturate the color by 10%, you get **66.8245, 85.8484, 89.5430**, and if you desaturate by 10%, it is **82.0317, 93.4558, 100.7442**.

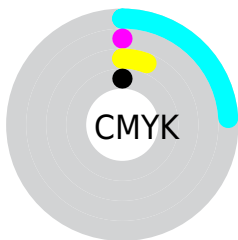
# Distribution



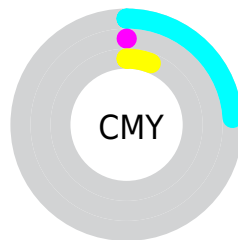
- Red (76%)
- Green (100%)
- Blue (94%)



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



- Cyan (24%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (24%)
- Magenta (0%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.8457, 89.3541, 95.0163 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 73.8457, 89.3541, 95.0163 by changing the saturation by 10% instead.




 73.8457, 89.3541,  
95.0163

 73.8457, 89.3541,  
95.0163


462.9992,  
525.9275, 565.2028

 54.9586, 67.4451,  
71.5516


123.6737,  
146.4409, 156.2829

 39.6023, 49.4464,  
52.3079


155.3454,  
182.3874, 194.9219

 27.4114, 34.9737,  
36.8666


192.0092,  
223.7819, 239.4560

 18.0206, 23.6426,  
24.8092

234.0306,  
271.0088, 290.3038

 11.0646, 15.0687,  
15.7173

281.7750,  
324.4523, 347.8838

 6.1779, 8.8676,  
9.1721

335.6076,

 2.9952, 4.6550,

384.4971, 412.6147

4.7553

395.8939,  
451.5273, 484.9148

■ 1.1512, 2.0463,  
2.0482

■ 0.0673, 0.6341,  
0.5847

■ 73.8457, 89.3541,  
95.0163

■ 73.8457, 89.3541,  
95.0163

■ 66.8245, 85.8484,  
89.5430

■ 82.0317, 93.4558,  
100.7442

■ 60.9077, 82.9078,  
84.3152

■ 91.4331, 98.1798,  
106.7270

■ 56.0337, 80.5004,  
79.3291

■ 95.0500, 100.0000,  
108.9000

■ 52.1334, 78.5909,  
74.5794

■ 49.1293, 77.1391,  
70.0602

■ 46.9316, 76.0990,  
65.7649

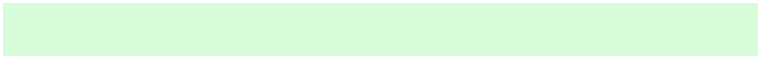
■ 45.4310, 75.4141,  
61.6862

■ 44.7301, 75.1081,  
59.1561

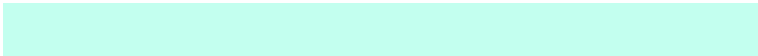
# Harmonies

## Analogous

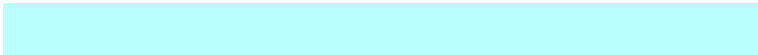
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.6409, 89.3541, 79.8506



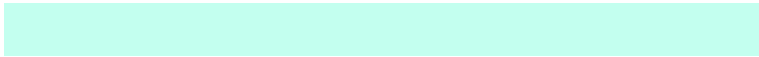
73.8457, 89.3541, 95.0163



74.9021, 89.3541, 112.6662

# Triad

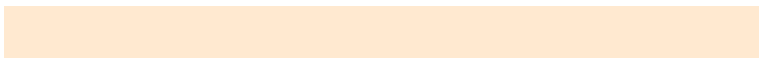
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.8457, 89.3541, 95.0163



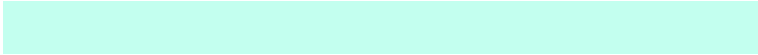
90.1396, 89.3541, 130.3893



91.5903, 89.3541, 72.1930

# Complementary

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



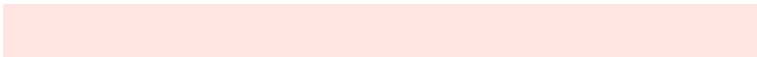
73.8457, 89.3541, 95.0163



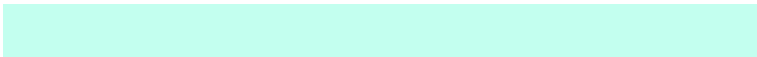
72.5137, 64.9946, 70.3519

# 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.



95.8117, 89.3541, 83.3831



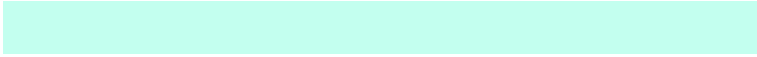
73.8457, 89.3541, 95.0163



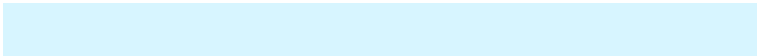
94.9466, 89.3541, 117.1031

# Square

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



73.8457, 89.3541, 95.0163



84.1302, 89.3541, 134.4487



97.0679, 89.3541, 99.6026

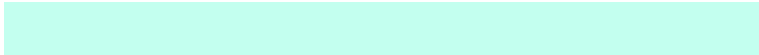


85.7316, 89.3541, 67.7008



# Rectangle

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



73.8457, 89.3541, 95.0163



77.1097, 89.3541, 123.2978



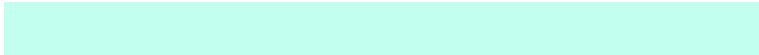
97.0679, 89.3541, 99.6026



93.2585, 89.3541, 75.2260

# Sweetspot

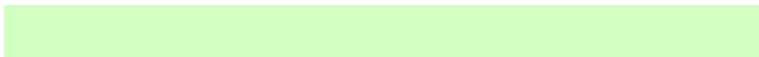
The Sweet Spot groups the original color and five complimentary colors.



73.8466, 89.3546, 95.0178



88.0282, 96.4676, 104.6207



72.4752, 89.3094, 65.0499



18.7182, 20.5860, 22.3154



0.0000, 0.0000, 0.0000

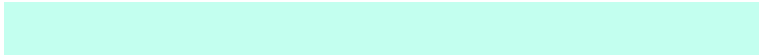


20.3446, 21.4041, 23.3091

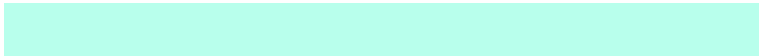


# Same Dimension

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



73.8466, 89.3546, 95.0178



70.5662, 87.7149, 92.5388



72.0119, 81.7334, 106.5884



18.3359, 20.3939, 22.0720



23.4377, 39.2717, 31.2539



2.3274, 3.8419, 3.2820



# Inverse Universe

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



72.5137, 64.9946, 70.3519



69.0340, 59.6696, 64.1533



73.8916, 70.8022, 61.4030



18.2082, 18.0666, 19.7138



22.1463, 11.3478, 4.1547

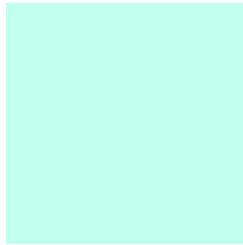


2.1993, 1.1221, 0.6309



# Previews

## White Background



This preview shows how the XYZ color 73.8457, 89.3541, 95.0163 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

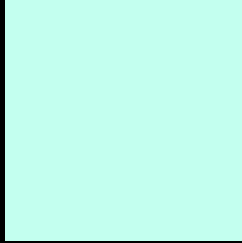
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.8457, 89.3541, 95.0163 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

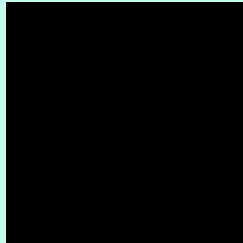
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

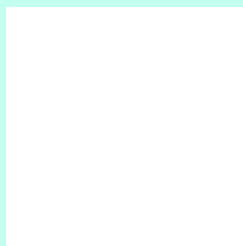
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.8457, 89.3541, 95.0163**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.8457, 89.3541, 95.0163.



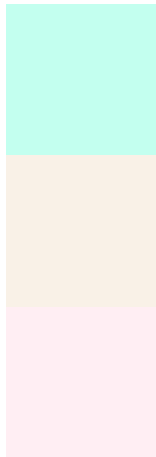
This preview shows how white text looks on a background with the XYZ color 73.8457, 89.3541,

95.0163.

# 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

73.8457, 89.3541, 95.0163

### Protanopia

84.9460, 88.8199, 88.2681

### Deuteranopia

87.9922, 88.8801, 97.3119



## **Tritanopia**

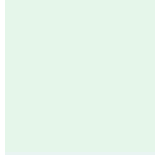
82.0571, 89.1391, 107.4884

# Trichromacy



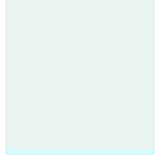
## Original Color

73.8457, 89.3541, 95.0163



## Protanomaly

80.1201, 88.5101, 90.7033



## Deuteranomaly

81.9820, 88.4358, 96.7533



## Tritanomaly

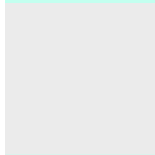
78.7061, 88.8871, 102.6312

# Monochromacy



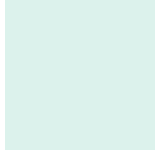
## Original Color

73.8457, 89.3541, 95.0163



## 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 73.8457, 89.3541, 95.0163 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, 239)` looks like.

```
.text, #text, p{  
    color:rgb(195, 255, 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(195, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 255, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 73.8457, 89.3541, 95.0163 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, 239) }
```



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

```
.border{ border-color:rgb(195, 255, 239) }
```

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, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(195, 255,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.8457, 89.3541, 95.0163 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, 239) }
```

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

```
.background{ background-color: rgb(195,  
255, 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](#).

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