

# Converting Colors

XYZ(73.3893, 83.3270,  
106.8234)

Have a look what the booklet for  
XYZ(73.3893, 83.3270, 106.8234)  
contains.

<b>XYZ(73.3893, 83.3270, 106.8234)</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(73.3893, 83.3270,  
106.8234)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6F3FF
RGB	198, 243, 255
RGB Percent	78%, 95%, 100%
CMY	0.2235, 0.0470, 0.0000
CMYK	0.22, 0.05, 0.00, 0.00
HSL	193°, 100%, 89%
HSV	193°, 22%, 100%
XYZ	73.3893, 83.3270, 106.8234
YIQ	230.9130, -30.6720, -5.8080

# Conversions

## Conversions Part 2

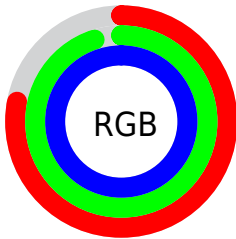
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	198, 223, 255
Decimal	13038591
CIE Lab	93.16, -11.80, -10.53
CIE LCh	93, 15.814, 221.741
Yxy	83.3270, 0.2785, 0.3162
Android (android.graphics.Color)	4291228671 (0xFFC6F3FF)
YUV	230.9130, 11.8749, -28.8647
Hunter-Lab	91.2836, -16.2377, -5.4848

# Details

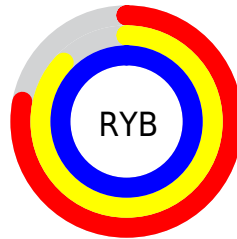
The XYZ color **73.3893, 83.3270, 106.8234** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.4794, 71.4295, 63.2896**, and the grayscale version is **75.8237, 79.7724, 86.8721**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.2911, 45.4575, 60.1294** is the 20% darker color. If you saturate the color by 10%, you get **65.6432, 76.9864, 106.0078**, and if you desaturate by 10%, it is **82.3183, 90.3514, 107.7087**.

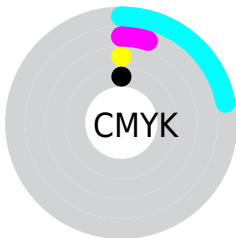
# Distribution



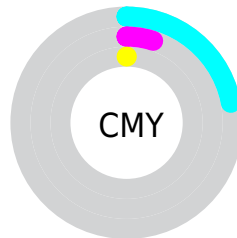
- Red (78%)
- Green (95%)
- Blue (100%)



- Red (78%)
- Yellow (87%)
- Blue (100%)



- Cyan (22%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.3893, 83.3270, 106.8234 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 73.3893, 83.3270, 106.8234 by changing the saturation by 10% instead.



73.3893, 83.3270,  
106.8234

73.3893, 83.3270,  
106.8234

461.4459,  
506.0757, 603.2871

54.5839, 62.4599,  
81.3626

123.0299,  
138.0334, 172.6363

39.3012, 45.4045,  
60.3075

154.5957,  
172.6415, 213.8255

27.1759, 31.7761,  
43.2397

191.1457,  
212.5987, 261.0946

17.8426, 21.1906,  
29.7404

233.0453,  
258.2894, 314.8621

10.9361, 13.2634,  
19.3913

280.6597,  
310.0981, 375.5465

6.0908, 7.6101,  
11.7737

334.3544,

2.9416, 3.8465,

368.4091, 443.5665

6.4691

394.4947,  
433.6069, 519.3405

■ 1.1229, 1.5881,  
3.0590

■ 0.0442, 0.3495,  
1.1248

■ 73.3893, 83.3270,  
106.8234

■ 73.3893, 83.3270,  
106.8234

■ 65.6432, 76.9864,  
106.0078

■ 82.3183, 90.3514,  
107.7087

■ 59.0164, 71.2898,  
105.2576

■ 92.4766, 98.0776,  
108.6646

■ 53.4491, 66.2079,  
104.5701

■ 95.0500, 100.0000,  
108.9000

■ 48.8732, 61.7050,  
103.9421

■ 45.2123, 57.7411,  
103.3699

■ 42.3784, 54.2702,  
102.8494

■ 40.2651, 51.2368,  
102.3752

■ 39.0149, 49.1498,  
102.0383

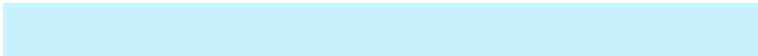
# Harmonies

## Analogous

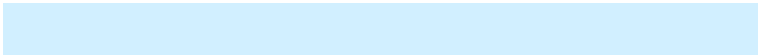
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.6355, 83.3270, 95.4631



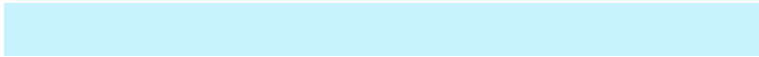
73.3893, 83.3270, 106.8234



76.7241, 83.3270, 114.2276

# Triad

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



73.3893, 83.3270, 106.8234



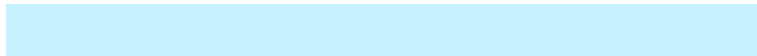
87.0282, 83.3270, 98.0848



77.5858, 83.3270, 70.1283

# Complementary

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



73.3893, 83.3270, 106.8234



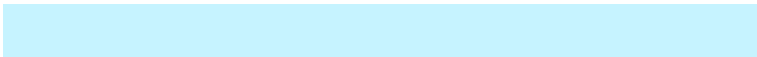
74.4794, 71.4295, 63.2896

# 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.



81.7283, 83.3270, 70.6966



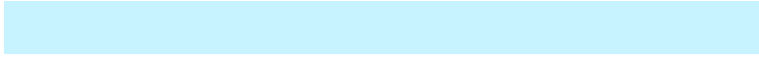
73.3893, 83.3270, 106.8234



87.2787, 83.3270, 86.1539

# Square

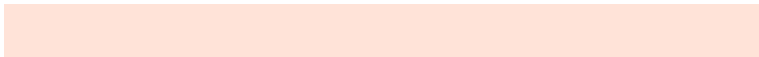
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.3893, 83.3270, 106.8234



84.6364, 83.3270, 108.8865



85.3092, 83.3270, 76.3381

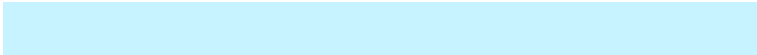


74.0012, 83.3270, 74.7112

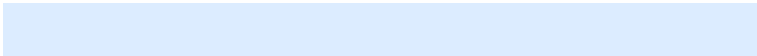


# Rectangle

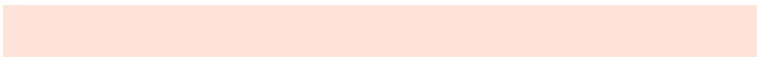
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



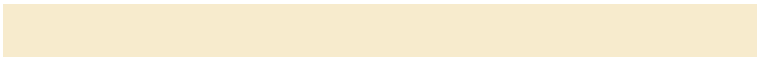
73.3893, 83.3270, 106.8234



79.4427, 83.3270, 115.5630



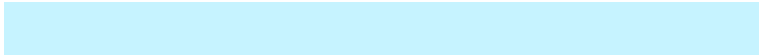
85.3092, 83.3270, 76.3381



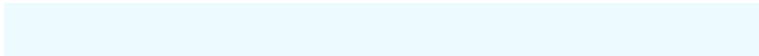
78.9574, 83.3270, 69.7348

# Sweetspot

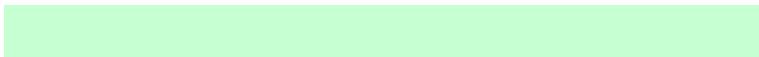
The Sweet Spot groups the original color and five complimentary colors.



73.3915, 83.3303, 106.8240



87.5984, 94.3969, 108.2112



70.6080, 88.1496, 73.8762



18.6184, 20.1050, 23.1493



0.0000, 0.0000, 0.0000

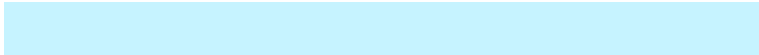


20.3446, 21.4041, 23.3091

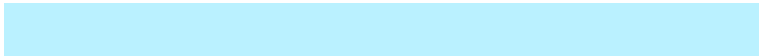


# Same Dimension

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



73.3915, 83.3303, 106.8240



69.6468, 80.2991, 106.4362



65.6659, 67.8790, 104.2487



18.2113, 19.7942, 23.1108



20.4983, 25.9063, 53.3546



2.0732, 2.6772, 5.2207



# Inverse Universe

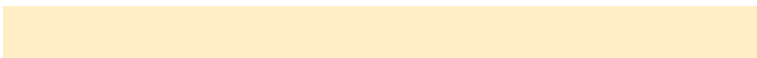
The Inverse Universe completely reimagines the original color for something new.



77.6131, 68.1208, 93.8559



74.6347, 62.7627, 91.0170



81.9790, 86.4287, 65.7894



18.6193, 18.2310, 21.8783



27.1348, 13.3432, 30.4241

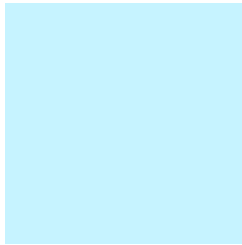


2.6811, 1.3148, 3.1680



# Previews

## White Background



This preview shows how the XYZ color 73.3893, 83.3270, 106.8234 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

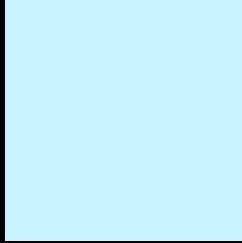
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.3893, 83.3270, 106.8234 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

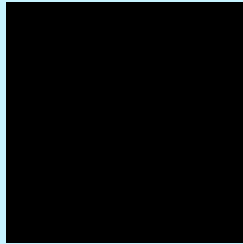
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 73.3893, 83.3270, 106.8234

## Background



This preview shows how black text looks on a background with the XYZ color 73.3893, 83.3270, 106.8234.



This preview shows how white text looks on a background with the XYZ color 73.3893, 83.3270,



# 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

73.3893, 83.3270, 106.8234

### Protanopia

80.4987, 82.7795, 101.3578

### Deuteranopia

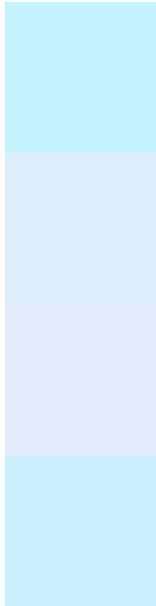
83.7255, 82.6711, 106.1521



## Tritanopia

75.5046, 83.0955, 106.6673

# Trichromacy



## Original Color

73.3893, 83.3270, 106.8234

## Protanomaly

77.8210, 83.0630, 103.1979

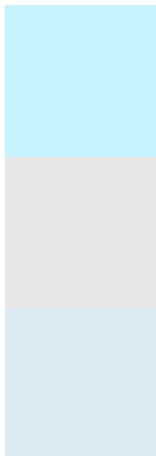
## Deuteranomaly

79.4677, 82.5596, 106.3549

## Tritanomaly

74.6821, 83.1097, 106.7134

# Monochromacy



## Original Color

73.3893, 83.3270, 106.8234

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

74.6499, 80.7680, 94.0934

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.3893, 83.3270, 106.8234 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(198, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 243, 255)  
}
```

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(198, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 243, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 73.3893, 83.3270, 106.8234 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(198, 243, 255) }
```



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

```
.border{ border-color:rgb(198, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(198, 243,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.3893, 83.3270, 106.8234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 243, 255) }
```

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

```
.background{ background-color: rgb(198,  
243, 255) }
```

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