

# Converting Colors

XYZ(73.7676, 85.2671,  
107.1780)

Have a look what the booklet for  
XYZ(73.7676, 85.2671, 107.1780)  
contains.

<b>XYZ(73.8164, 85.3436, 107.1902)</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(73.8164, 85.3436,  
107.1902)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3F7FF
RGB	195, 247, 255
RGB Percent	76%, 97%, 100%
CMY	0.2353, 0.0314, 0.0000
CMYK	0.24, 0.03, 0.00, 0.00
HSL	188°, 100%, 88%
HSV	188°, 24%, 100%
XYZ	73.8164, 85.3436, 107.1902
YIQ	232.3640, -33.5600, -8.5360

# Conversions

## Conversions Part 2

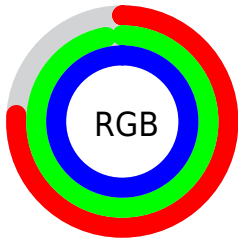
<b>Format</b>	<b>Color</b>
<b>RYB</b>	195, 223, 255
Decimal	12843007
CIELab	94.03, -14.68, -9.25
CIELCh	94, 17.348, 212.219
Yxy	85.3436, 0.2771, 0.3204
Android (android.graphics.Color)	4291033087 (0xFFC3F7FF)
YUV	232.3640, 11.1595, -32.7682
Hunter-Lab	92.3816, -19.0395, -4.1270

# Details

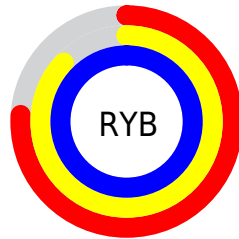
The XYZ color **73.8164, 85.3436, 107.1902** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.4461, 67.9112, 60.9213**, and the grayscale version is **76.9132, 80.9187, 88.1205**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **39.6391, 46.9143, 60.3922** is the 20% darker color. If you saturate the color by 10%, you get **66.7527, 80.1757, 106.5650**, and if you desaturate by 10%, it is **82.0286, 91.1361, 107.8754**.

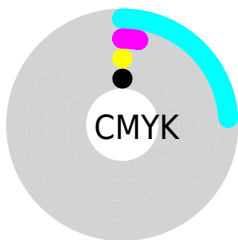
# Distribution



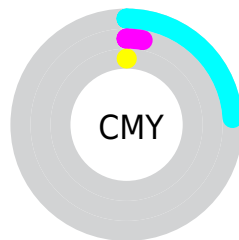
- Red (76%)
- Green (97%)
- Blue (100%)



- Red (76%)
- Yellow (87%)
- Blue (100%)



- Cyan (24%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (24%)
- Magenta (3%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.8164, 85.3436, 107.1902 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 73.8164, 85.3436, 107.1902 by changing the saturation by 10% instead.



73.8164, 85.3436,  
107.1902

73.8164, 85.3436,  
107.1902

462.8996,  
512.7643, 604.4498

54.9345, 64.1253,  
81.6686

123.6324,  
140.8531, 173.1414

39.5829, 46.7522,  
60.5582

155.2973,  
175.9132, 214.4079

27.3963, 32.8398,  
43.4404

191.9538,  
216.3560, 261.7599

18.0092, 22.0037,  
29.8969

233.9674,  
262.5658, 315.6159

11.0563, 13.8597,  
19.5089

281.7034,  
314.9272, 376.3943

6.1723, 8.0231,  
11.8581

335.5272,

2.9918, 4.1097,

373.8245, 444.5137

6.5258

395.8042,  
439.6421, 520.3927

■ 1.1494, 1.7351,  
3.0934

■ 0.0659, 0.4463,  
1.1425

■ 73.8164, 85.3436,  
107.1902

■ 73.8164, 85.3436,  
107.1902

■ 66.7527, 80.1757,  
106.5650

■ 82.0286, 91.1361,  
107.8754

■ 60.7736, 75.5926,  
105.9955

■ 91.4357, 97.5707,  
108.6216

■ 55.8190, 71.5655,  
105.4793

■ 95.0500, 100.0000,  
108.9000

■ 51.8203, 68.0589,  
105.0132

■ 48.7001, 65.0327,  
104.5935

■ 46.3692, 62.4407,  
104.2161

■ 44.7183, 60.2266,  
103.8757

■ 43.9114, 58.9429,  
103.6705

# Harmonies

## Analogous

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



72.5429, 85.3436, 93.9154



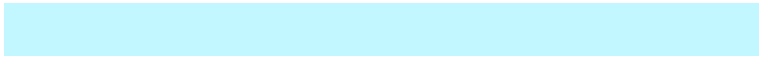
73.8164, 85.3436, 107.1902



77.0380, 85.3436, 117.3536

# Triad

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



73.8164, 85.3436, 107.1902



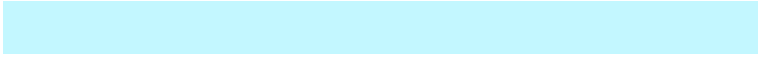
89.2497, 85.3436, 105.3204



80.7723, 85.3436, 69.7075

# Complementary

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



73.8164, 85.3436, 107.1902



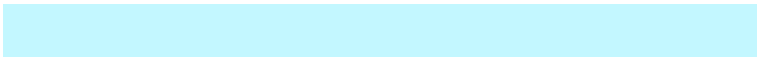
72.4461, 67.9112, 60.9213

# 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.



85.3365, 85.3436, 72.1455



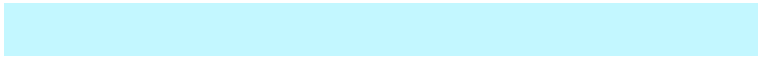
73.8164, 85.3436, 107.1902



90.3404, 85.3436, 91.9409

# Square

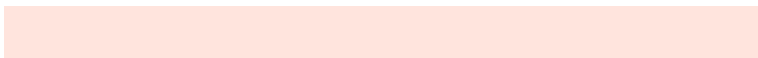
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



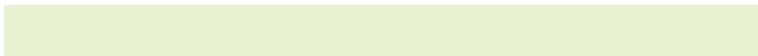
73.8164, 85.3436, 107.1902



85.9556, 85.3436, 116.2039



88.8828, 85.3436, 79.9845



76.4625, 85.3436, 72.9827

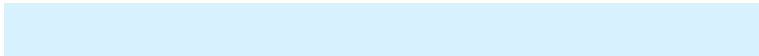


# Rectangle

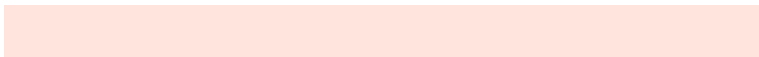
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



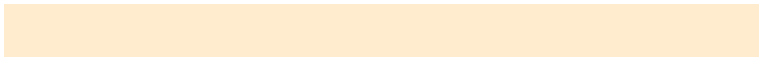
73.8164, 85.3436, 107.1902



79.9174, 85.3436, 120.5409



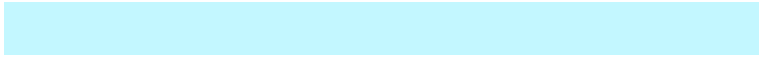
88.8828, 85.3436, 79.9845



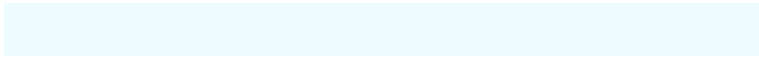
82.3276, 85.3436, 69.8856

# Sweetspot

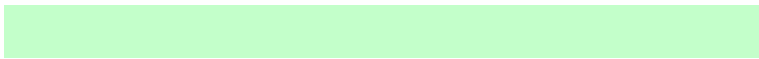
The Sweet Spot groups the original color and five complimentary colors.



73.8186, 85.3470, 107.1907



88.0310, 95.2621, 108.3554



68.9274, 87.3869, 69.1132



18.7188, 20.3058, 23.1828



0.0000, 0.0000, 0.0000

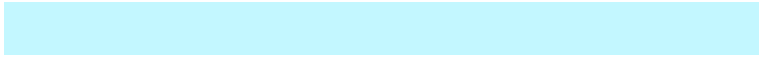


20.3446, 21.4041, 23.3091

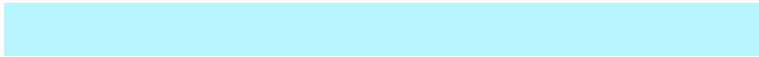


# Same Dimension

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



73.8186, 85.3470, 107.1907



70.5209, 82.9599, 106.9037



65.6283, 68.9662, 104.4606



18.3363, 20.0441, 23.1524



23.0249, 30.9594, 54.1968



2.2966, 3.1240, 5.2952



# Inverse Universe

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



77.5450, 67.0072, 96.8462



74.8531, 61.9973, 94.7966



79.9476, 82.9141, 63.4218



18.6824, 18.2563, 22.2105



28.4101, 13.8533, 37.1397

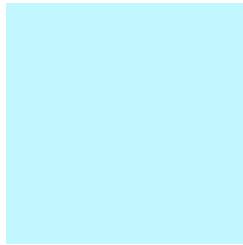


2.7938, 1.3599, 3.7618



# Previews

## White Background



This preview shows how the XYZ color 73.8164, 85.3436, 107.1902 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

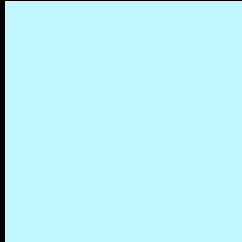
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.8164, 85.3436, 107.1902 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

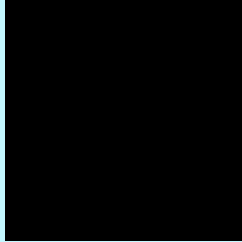
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 73.8164, 85.3436, 107.1902

## Background



This preview shows how black text looks on a background with the XYZ color 73.8164, 85.3436, 107.1902.



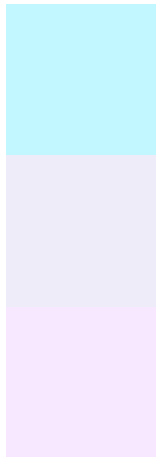
This preview shows how white text looks on a background with the XYZ color 73.8164, 85.3436,



# 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

73.8164, 85.3436, 107.1902

### Protanopia

82.1986, 84.9454, 100.8707

### Deuteranopia

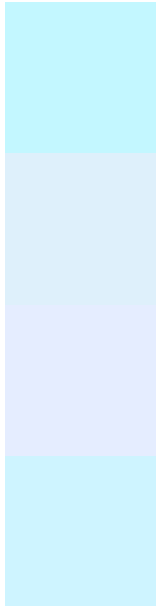
85.6180, 84.8897, 106.4805



## **Tritanopia**

77.2427, 84.8704, 106.9182

# Trichromacy



## Original Color

73.8164, 85.3436, 107.1902

## Protanomaly

78.6969, 84.8148, 103.4899

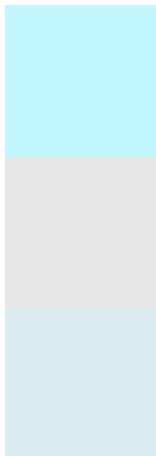
## Deuteranomaly

80.6473, 84.4464, 106.6570

## Tritanomaly

75.8543, 85.0432, 107.0248

# Monochromacy



## Original Color

73.8164, 85.3436, 107.1902

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

75.2258, 81.9197, 94.2853

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.8164, 85.3436, 107.1902 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, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(195, 247, 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(195, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 247, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 73.8164, 85.3436, 107.1902 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, 247, 255) }
```



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

```
.border{ border-color:rgb(195, 247, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(195, 247,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.8164, 85.3436, 107.1902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 247, 255) }
```

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

```
.background{ background-color: rgb(195,  
247, 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](#).

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