

# Converting Colors

XYZ(73.7057, 87.6183,  
103.5908)

Have a look what the booklet for  
XYZ(73.7057, 87.6183, 103.5908)  
contains.

<b>XYZ(73.8040, 87.7294, 103.4861)</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(73.8040, 87.7294,  
103.4861)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0FCFA
RGB	192, 252, 250
RGB Percent	75%, 99%, 98%
CMY	0.2470, 0.0117, 0.0196
CMYK	0.24, 0.00, 0.01, 0.01
HSL	178°, 91%, 87%
HSV	178°, 24%, 99%
XYZ	73.8040, 87.7294, 103.4861
YIQ	233.8320, -35.1180, -13.3420

# Conversions

## Conversions Part 2

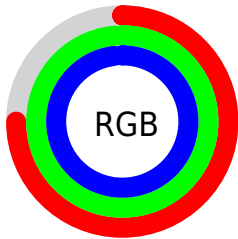
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	192, 223, 252
Decimal	12647674
CIE <sub>Lab</sub>	95.05, -19.08, -5.18
CIE <sub>LCh</sub>	95, 19.772, 195.186
Y <sub>xy</sub>	87.7294, 0.2785, 0.3310
Android (android.graphics.Color)	4290837754 (0xFFC0FCFA)
YUV	233.8320, 7.9708, -36.6867
Hunter-Lab	93.6640, -23.2601, 0.0573

# Details

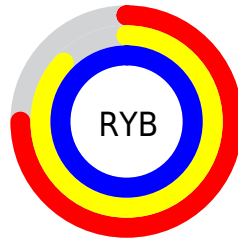
The XYZ color **73.8040, 87.7294, 103.4861** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.7353, 62.2923, 59.4435**, and the grayscale version is **78.0424, 82.1067, 89.4142**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **39.5692, 48.2436, 58.2654** is the 20% darker color. If you saturate the color by 10%, you get **67.8305, 84.6674, 102.5213**, and if you desaturate by 10%, it is **80.8756, 91.3619, 104.5092**.

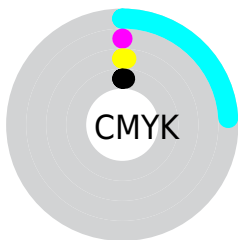
# Distribution



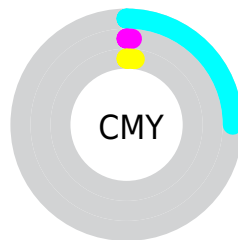
- Red (75%)
- Green (99%)
- Blue (98%)



- Red (75%)
- Yellow (87%)
- Blue (99%)



- Cyan (24%)
- Magenta (0%)
- Yellow (1%)
- Black (1%)



- Cyan (25%)
- Magenta (1%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.8040, 87.7294, 103.4861 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 73.8040, 87.7294, 103.4861 by changing the saturation by 10% instead.



73.8040, 87.7294,  
103.4861

73.8040, 87.7294,  
103.4861

462.8574,  
520.6167, 592.6544

54.9243, 66.0990,  
78.5821

123.6149,  
144.1804, 168.0332

39.5748, 48.3528,  
58.0330

155.2769,  
179.7697, 208.5133

27.3899, 34.1063,  
41.4203

191.9304,  
220.7808, 255.0226

18.0043, 22.9753,  
28.3254

233.9407,  
267.5981, 307.9795

11.0528, 14.5753,  
18.3300

281.6732,  
320.6059, 367.8026

6.1699, 8.5218,  
11.0153

335.4932,

2.9903, 4.4306,

380.1887, 434.9104

5.9628

395.7662,  
446.7308, 509.7215

■ 1.1486, 1.9173,  
2.7540

■ 0.0652, 0.5587,  
0.9705

■ 73.8040, 87.7294,  
103.4861

■ 73.8040, 87.7294,  
103.4861

■ 67.8305, 84.6674,  
102.5213

■ 80.8756, 91.3619,  
104.5092

■ 62.8920, 82.1367,  
101.6060

■ 89.0894, 95.5810,  
105.5869

■ 58.9303, 80.1094,  
100.7396

■ 93.7060, 97.9455,  
106.4993

■ 55.8786, 78.5512,  
99.9188

■ 93.8401, 97.9991,  
107.2051

■ 53.6619, 77.4234,  
99.1402

■ 93.9747, 98.0530,  
107.9139

■ 52.1929, 76.6809,  
98.3996

■ 94.1019, 98.1039,  
108.5840

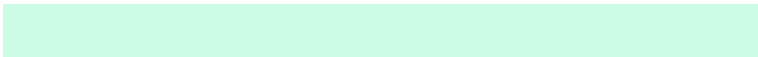
■ 51.3651, 76.2690,  
97.6920

■ 51.0792, 76.1308,  
97.2661

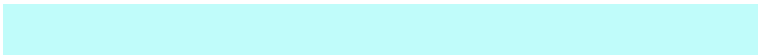
# Harmonies

## Analogous

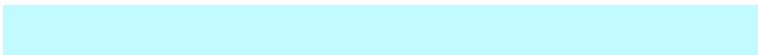
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.7880, 87.7294, 88.1538



73.8040, 87.7294, 103.4861



76.3112, 87.7294, 118.0916

# Triad

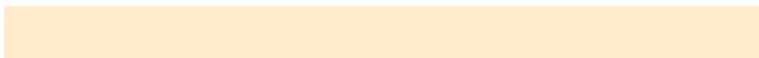
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.8040, 87.7294, 103.4861



90.9315, 87.7294, 117.9353



86.0542, 87.7294, 69.6737

# Complementary

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



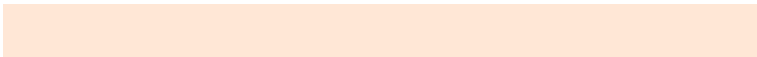
73.8040, 87.7294, 103.4861



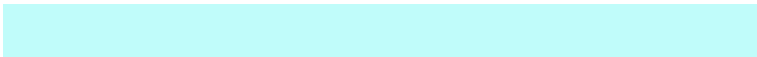
68.7353, 62.2923, 59.4435

# 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.



90.8812, 87.7294, 76.0292



73.8040, 87.7294, 103.4861



93.7782, 87.7294, 103.2906

# Square

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



73.8040, 87.7294, 103.4861



86.1204, 87.7294, 127.0237



93.7594, 87.7294, 87.9781



80.7065, 87.7294, 69.7140

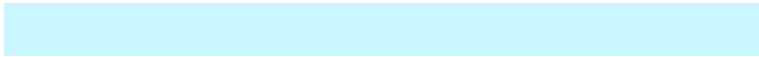


# Rectangle

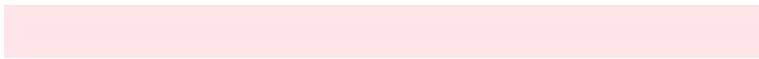
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.8040, 87.7294, 103.4861



79.1223, 87.7294, 124.9804



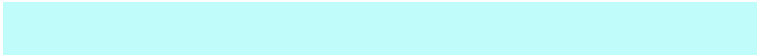
93.7594, 87.7294, 87.9781



87.7964, 87.7294, 71.1002

# Sweetspot

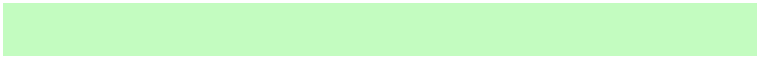
The Sweet Spot groups the original color and five complimentary colors.



73.8065, 87.7330, 103.4881



88.6894, 96.7320, 108.1023



66.8332, 85.0323, 62.7614



18.8718, 20.6474, 23.1239



0.0000, 0.0000, 0.0000

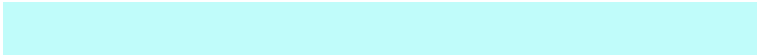


20.3446, 21.4041, 23.3091

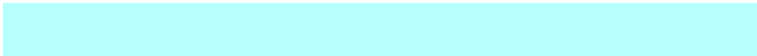


# Same Dimension

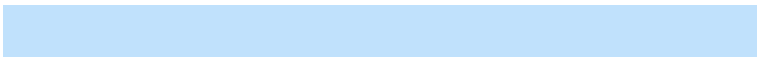
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.8065, 87.7330, 103.4881



72.4828, 88.4118, 105.7825



66.2368, 72.0881, 102.5228



17.7393, 19.5980, 22.0938



26.6181, 39.6602, 50.7256



2.4729, 3.6763, 4.7383



# Inverse Universe

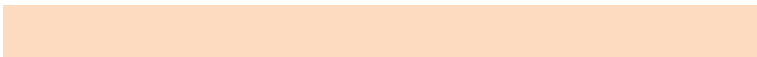
The Inverse Universe completely reimagines the original color for something new.



68.7353, 62.2923, 59.4435



66.3754, 57.7686, 52.7354



74.9940, 75.1673, 60.4271



17.2681, 17.2346, 18.0015



20.9464, 10.7943, 1.1604

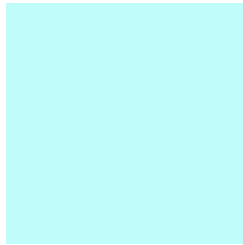


1.9480, 1.0029, 0.1496



# Previews

## White Background



This preview shows how the XYZ color 73.8040, 87.7294, 103.4861 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

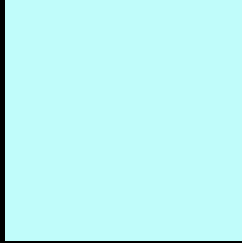
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.8040, 87.7294, 103.4861 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

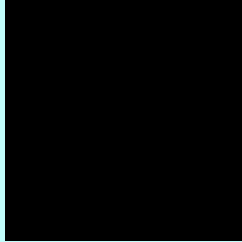
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

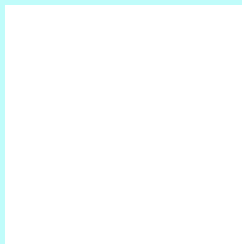
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 73.8040, 87.7294, 103.4861

## Background



This preview shows how black text looks on a background with the XYZ color 73.8040, 87.7294, 103.4861.



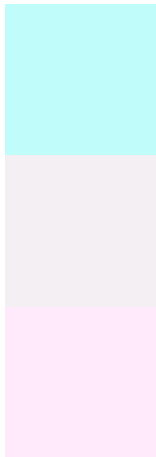
This preview shows how white text looks on a background with the XYZ color 73.8040, 87.7294,



# 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

73.8040, 87.7294, 103.4861

### Protanopia

83.8557, 87.1985, 96.4157

### Deuteranopia

88.2335, 87.1339, 104.2636



## Tritanopia

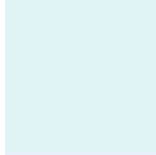
79.9158, 87.5849, 107.3013

# Trichromacy



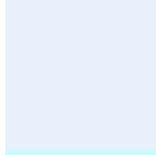
## Original Color

73.8040, 87.7294, 103.4861



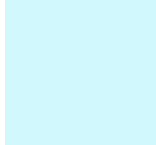
## Protanomaly

79.5726, 87.1412, 99.0122



## Deuteranomaly

82.1466, 87.0314, 103.7359



## Tritanomaly

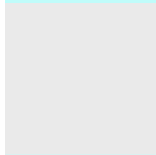
77.5915, 87.7820, 105.7826

# Monochromacy



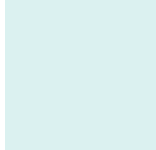
## Original Color

73.8040, 87.7294, 103.4861



## Achromatopsia

78.2058, 82.2786, 89.6014



## Achromatomaly

76.3969, 84.2619, 94.6757

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.8040, 87.7294, 103.4861 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(192, 252, 250)` looks like.

```
.text, #text, p{  
    color:rgb(192, 252, 250)  
}
```

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(192, 252, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 252, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 73.8040, 87.7294, 103.4861 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(192, 252, 250) }
```



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

```
.border{ border-color:rgb(192, 252, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 252, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 252, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 252, 250);  
box-shadow:4px 4px 4px 4px rgb(192, 252,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.8040, 87.7294, 103.4861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 252, 250) }
```

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

```
.background{ background-color: rgb(192,  
252, 250) }
```

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