

# Converting Colors

XYZ(78.8462, 100.0000,  
107.0576)

Have a look what the booklet for  
XYZ(78.8462, 100.0000, 107.0576)  
contains.

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# Color

**XYZ(73.3383, 88.8626,  
105.3823)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9FFFC
RGB	185, 255, 252
RGB Percent	73%, 100%, 99%
CMY	0.2745, 0.0000, 0.0118
CMYK	0.27, 0.00, 0.01, 0.00
HSL	177°, 100%, 86%
HSV	177°, 27%, 100%
XYZ	73.3383, 88.8626, 105.3823
YIQ	233.7280, -40.7570, -15.7730

# Conversions

## Conversions Part 2

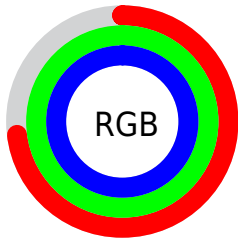
<b>Format</b>	<b>Color</b>
<b>RYB</b>	185, 221, 255
Decimal	12189692
CIELab	95.52, -22.10, -5.55
CIELCh	96, 22.789, 194.101
Yxy	88.8626, 0.2741, 0.3321
Android (android.graphics.Color)	4290379772 (0xFFB9FFFC)
YUV	233.7280, 9.0081, -42.7345
Hunter-Lab	94.2670, -26.0968, -0.2942

# Details

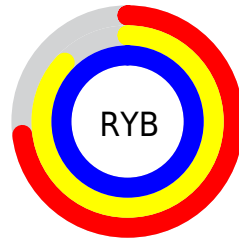
The XYZ color **73.3383, 88.8626, 105.3823** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.6669, 59.5902, 55.5134**, and the grayscale version is **77.9572, 82.0170, 89.3165**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **39.2503, 49.0741, 59.0333** is the 20% darker color. If you saturate the color by 10%, you get **67.5564, 85.9018, 104.2121**, and if you desaturate by 10%, it is **80.2265, 92.3935, 106.6124**.

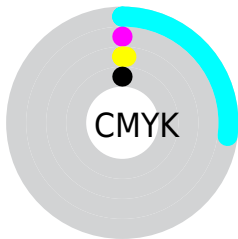
# Distribution



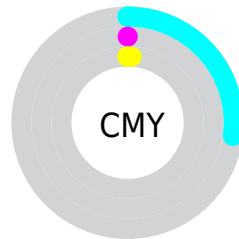
- Red (73%)
- Green (100%)
- Blue (99%)



- Red (73%)
- Yellow (87%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.3383, 88.8626, 105.3823 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 73.3383, 88.8626, 105.3823 by changing the saturation by 10% instead.





 73.3383, 88.8626,  
105.3823

 73.3383, 88.8626,  
105.3823


461.2721,  
524.3240, 598.7079

 54.5420, 67.0377,  
80.1612


 122.9579,  
145.7575, 170.6504

 39.2675, 49.1152,  
59.3241

154.5119,  
181.5962, 211.5345

 27.1496, 34.7109,  
42.4523


191.0492,  
222.8751, 258.4767

 17.8228, 23.4403,  
29.1274

232.9351,  
269.9783, 311.8955

 10.9217, 14.9189,  
18.9308

280.5350,  
323.2905, 372.2095

 6.0811, 8.7625,  
11.4440

334.2142,

 2.9356, 4.5866,

383.1959, 439.8372

6.2484

394.3381,  
450.0789, 515.1971

■ 1.1198, 2.0068,  
2.9255

■ 0.0416, 0.6114,  
1.0567

■ 73.3383, 88.8626,  
105.3823

■ 73.3383, 88.8626,  
105.3823

■ 67.5564, 85.9018,  
104.2121

■ 80.2265, 92.3935,  
106.6124

■ 62.8187, 83.4793,  
103.0945

■ 88.2724, 96.5211,  
107.9004

■ 59.0617, 81.5622,  
102.0280

95.0500, 100.0000,  
108.9000

■ 56.2139, 80.1137,  
101.0091

■ 54.1938, 79.0918,  
100.0342

■ 52.9057, 78.4471,  
99.0987

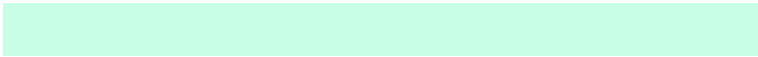
■ 52.2246, 78.1153,  
98.1967

■ 52.1009, 78.0564,  
97.9699

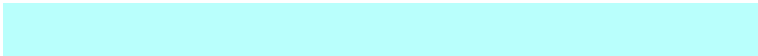
# Harmonies

## Analogous

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



73.4271, 88.8626, 87.6347



73.3383, 88.8626, 105.3823



76.1254, 88.8626, 122.7270

# Triad

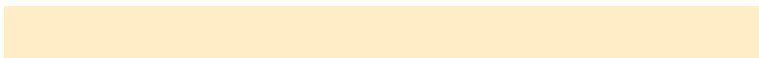
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.3383, 88.8626, 105.3823



93.0998, 88.8626, 123.6234



87.7948, 88.8626, 67.2978

# Complementary

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



73.3383, 88.8626, 105.3823



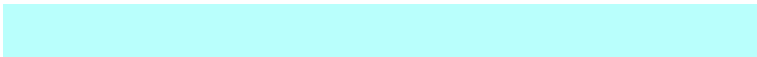
67.6669, 59.5902, 55.5134

# 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.



93.3845, 88.8626, 74.7350



73.3383, 88.8626, 105.3823



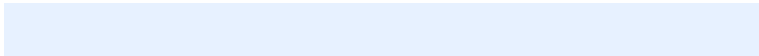
96.5489, 88.8626, 106.4897

# Square

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



73.3383, 88.8626, 105.3823



87.4218, 88.8626, 134.1045



96.6555, 88.8626, 88.6143

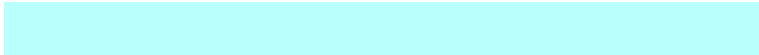


81.5683, 88.8626, 67.0788

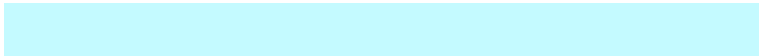


# Rectangle

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



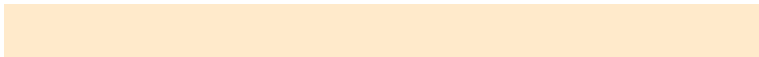
73.3383, 88.8626, 105.3823



79.3223, 88.8626, 131.1204



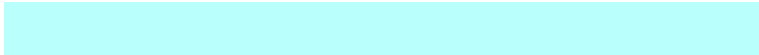
96.6555, 88.8626, 88.6143



89.8174, 88.8626, 68.9911

# Sweetspot

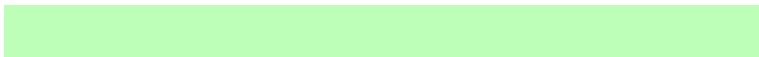
The Sweet Spot groups the original color and five complimentary colors.



73.3393, 88.8631, 105.3838



87.7986, 96.2780, 107.8279



65.3805, 85.7783, 59.0117



18.5193, 20.4672, 23.0374



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

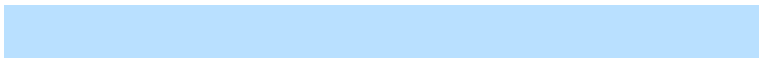
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.3393, 88.8631, 105.3838



69.9969, 87.1511, 104.7266



64.5802, 70.5784, 104.8270



18.5193, 20.4672, 23.0374



27.2387, 40.7921, 51.2694



2.6622, 3.9758, 5.0447



# Inverse Universe

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



67.6669, 59.5902, 55.5134



63.4590, 53.4029, 47.2402



74.6819, 74.1322, 56.2735



18.0409, 17.9997, 18.8326



21.5937, 11.1268, 1.2448

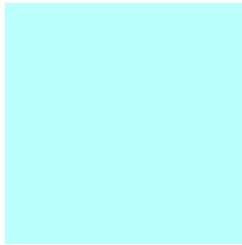


2.1131, 1.0876, 0.1770



# Previews

## White Background



This preview shows how the XYZ color 73.3383, 88.8626, 105.3823 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

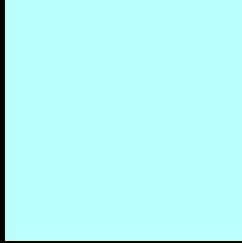
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.3383, 88.8626, 105.3823 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

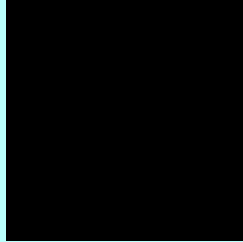
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 73.3383, 88.8626, 105.3823

## Background



This preview shows how black text looks on a background with the XYZ color 73.3383, 88.8626, 105.3823.



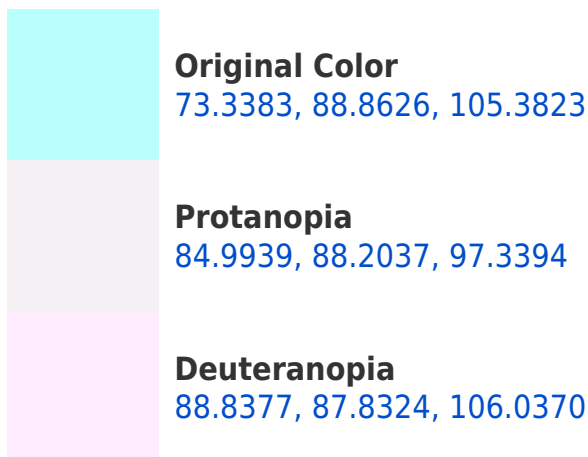
This preview shows how white text looks on a background with the XYZ color 73.3383, 88.8626,



# 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





## Tritanopia

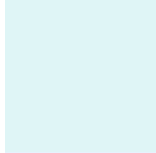
80.8246, 88.5037, 107.4308

# Trichromacy



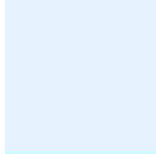
## Original Color

73.3383, 88.8626, 105.3823



## Protanomaly

79.7184, 87.6466, 99.9047



## Deuteranomaly

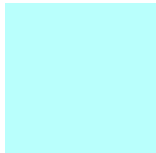
82.1149, 87.4191, 105.4742



## Tritanomaly

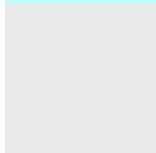
77.7775, 88.3170, 106.7135

# Monochromacy



## Original Color

73.3383, 88.8626, 105.3823



## Achromatopsia

78.2058, 82.2786, 89.6014



## Achromatomaly

75.9482, 84.4541, 95.5175

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.3383, 88.8626, 105.3823 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(185, 255, 252)` looks like.

```
.text, #text, p{  
    color:rgb(185, 255, 252)  
}
```

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(185, 255, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 255, 252) }
```

## Border

The CSS property to change the border of an element to XYZ 73.3383, 88.8626, 105.3823 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(185, 255, 252) }
```



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

```
.border{ border-color:rgb(185, 255, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 255, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 255, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 255, 252);  
box-shadow:4px 4px 4px 4px rgb(185, 255,  
252) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.3383, 88.8626, 105.3823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 255, 252) }
```

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

```
.background{ background-color: rgb(185,  
255, 252) }
```

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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