

# Converting Colors

XYZ(71.9123, 84.6338,  
100.0084)

Have a look what the booklet for  
XYZ(71.9123, 84.6338, 100.0084)  
contains.

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# Color

**XYZ(71.8876, 84.5128,  
99.7125)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1F7F6
RGB	193, 247, 246
RGB Percent	76%, 97%, 96%
CMY	0.2431, 0.0314, 0.0353
CMYK	0.22, 0.00, 0.00, 0.03
HSL	179°, 77%, 86%
HSV	179°, 22%, 97%
XYZ	71.8876, 84.5128, 99.7125
YIQ	230.7400, -31.8630, -11.7590

# Conversions

## Conversions Part 2

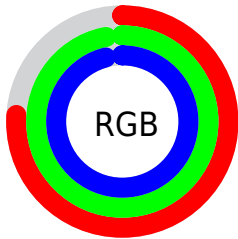
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">193, 220, 247</a>
Decimal	<a href="#">12711926</a>
CIELab	<a href="#">93.67, -17.17, -5.13</a>
CIELCh	<a href="#">94, 17.921, 196.630</a>
Yxy	<a href="#">84.5128, 0.2807, 0.3300</a>
Android (android.graphics.Color)	<a href="#">4290902006 (0xFFC1F7F6)</a>
YUV	<a href="#">230.7400, 7.5232, -33.0980</a>
Hunter-Lab	<a href="#">91.9308, -21.2965, 0.0429</a>

# Details

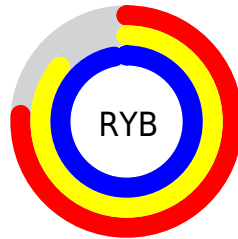
The XYZ color **71.8876, 84.5128, 99.7125** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.1683, 61.8114, 59.4330**, and the grayscale version is **75.7272, 79.6709, 86.7616**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **38.4063, 46.3826, 55.6437** is the 20% darker color. If you saturate the color by 10%, you get **66.0396, 81.5083, 99.0734**, and if you desaturate by 10%, it is **78.7923, 88.0664, 100.4056**.

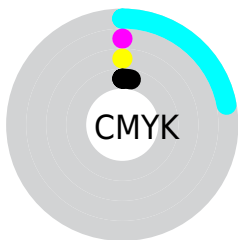
# Distribution



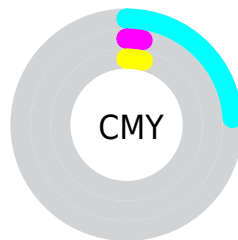
- Red (76%)
- Green (97%)
- Blue (96%)



- Red (76%)
- Yellow (86%)
- Blue (97%)



- Cyan (22%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)



- Cyan (24%)
- Magenta (3%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.8876, 84.5128, 99.7125 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 71.8876, 84.5128, 99.7125 by changing the saturation by 10% instead.



71.8876, 84.5128,  
99.7125

71.8876, 84.5128,  
99.7125

456.3140,  
510.0146, 580.5093

53.3520, 63.4389,  
75.4449

120.9084,  
139.6923, 162.8105

38.3124, 46.1964,  
55.4735

152.1243,  
174.5667, 202.4779

26.4036, 32.4008,  
39.3798

188.2976,  
214.8100, 248.1157

17.2601, 21.6678,  
26.7452

229.7938,  
260.8066, 300.1425

10.5165, 13.6130,  
17.1512

276.9782,  
312.9410, 358.9767

5.8076, 7.8520,  
10.1793

330.2161,

2.7680, 4.0004,

371.5975, 425.0368

5.4108

389.8729,  
437.1606, 498.7416

■ 1.0323, 1.6738,  
2.4273

■ 0.0000, 0.4066,  
0.8013

■ 71.8876, 84.5128,  
99.7125

■ 71.8876, 84.5128,  
99.7125

■ 66.0396, 81.5083,  
99.0734

■ 78.7923, 88.0664,  
100.4056

■ 61.1887, 79.0157,  
98.4800


■ 86.7950, 92.1837,  
101.1492


■ 57.2807, 77.0092,  
97.9317

■ 91.3492, 94.5233,  
101.7323


■ 54.2534, 75.4566,  
97.4255


■ 91.4203, 94.5517,  
102.1065

 52.0369, 74.3220,  
96.9582


 91.4915, 94.5802,  
102.4816


 50.5509, 73.5640,  
96.5259


 91.5629, 94.6088,  
102.8576

 49.6987, 73.1327,  
96.1242

 91.6345, 94.6374,  
103.2346

 49.3519, 72.9604,  
95.8143

 91.7063, 94.6661,  
103.6125

 91.7782, 94.6949,  
103.9913

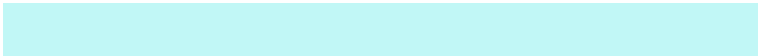
# Harmonies

## Analogous

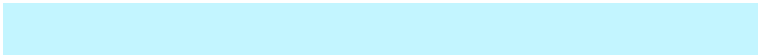
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.7628, 84.5128, 86.1015



71.8876, 84.5128, 99.7125



74.2153, 84.5128, 112.3794

# Triad

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



71.8876, 84.5128, 99.7125



87.1524, 84.5128, 111.1814



82.4580, 84.5128, 68.8408

# Complementary

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



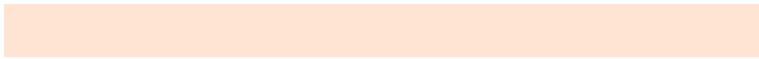
71.8876, 84.5128, 99.7125



67.1683, 61.8114, 59.4330

# 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.



86.7651, 84.5128, 74.2814



71.8876, 84.5128, 99.7125



89.5466, 84.5128, 98.2038

# Square

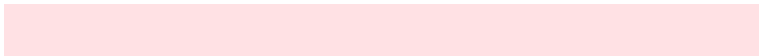
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.8876, 84.5128, 99.7125



82.9698, 84.5128, 119.4346



89.4021, 84.5128, 84.7338



77.7407, 84.5128, 69.1586

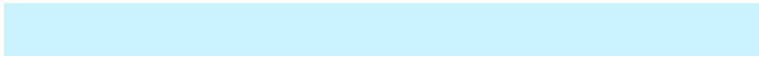


# Rectangle

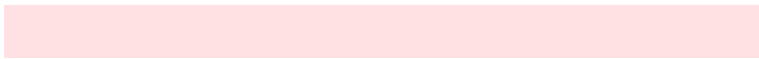
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.8876, 84.5128, 99.7125



76.7573, 84.5128, 118.1870



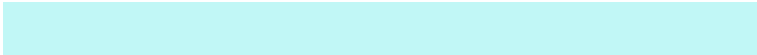
89.4021, 84.5128, 84.7338



84.0055, 84.5128, 70.0320

# Sweetspot

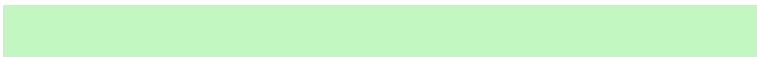
The Sweet Spot groups the original color and five complimentary colors.



71.8901, 84.5163, 99.7144



88.7318, 96.7490, 108.3259



65.3429, 81.9507, 62.8277



18.8816, 20.6514, 23.1759



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

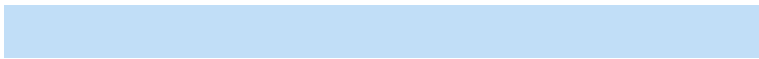
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.8901, 84.5163, 99.7144



74.5242, 89.4414, 106.9076



64.8514, 70.1919, 98.1300



16.9826, 18.7522, 21.1929



26.1057, 38.5871, 50.7039



2.2986, 3.3931, 4.4784



# Inverse Universe

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



67.1683, 61.8114, 59.4330



68.6599, 61.2410, 56.8780



73.1097, 73.8739, 60.8594



16.5116, 16.4875, 17.1748



20.3051, 10.4655, 1.0491

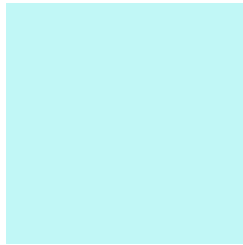


1.7889, 0.9215, 0.1149



# Previews

## White Background



This preview shows how the XYZ color 71.8876, 84.5128, 99.7125 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

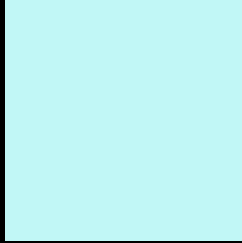
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.8876, 84.5128, 99.7125 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

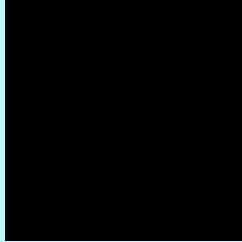
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 71.8876, 84.5128, 99.7125

## Background



This preview shows how black text looks on a background with the XYZ color 71.8876, 84.5128, 99.7125.



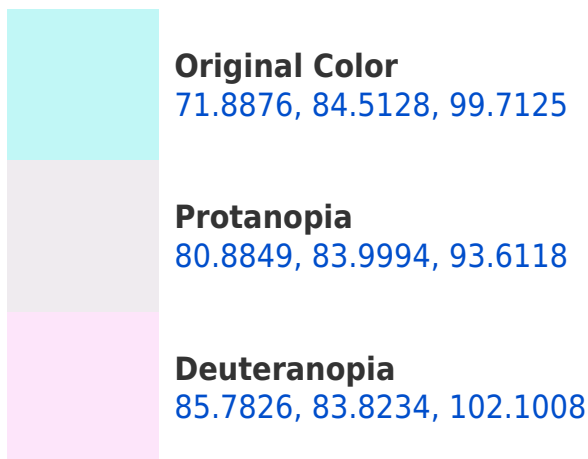
This preview shows how white text looks on a background with the XYZ color 71.8876, 84.5128,

99.7125.

# 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

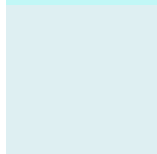
76.6661, 84.5731, 106.8913

# Trichromacy



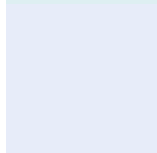
## Original Color

71.8876, 84.5128, 99.7125



## Protanomaly

77.0177, 83.6734, 96.0957



## Deuteranomaly

80.0493, 83.8194, 101.5822



## Tritanomaly

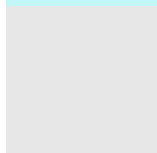
74.8232, 84.5670, 104.4749

# Monochromacy



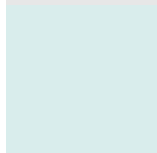
## Original Color

71.8876, 84.5128, 99.7125



## Achromatopsia

75.9547, 79.9103, 87.0223



## Achromatomaly

74.0398, 81.3762, 91.1617

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.8876, 84.5128, 99.7125 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(193, 247, 246)` looks like.

```
.text, #text, p{  
    color:rgb(193, 247, 246)  
}
```

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(193, 247, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 247, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 71.8876, 84.5128, 99.7125 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(193, 247, 246) }
```



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

```
.border{ border-color:rgb(193, 247, 246) }
```

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

Here you see how a box with a 4 pixel rgb(193, 247, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 247, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 247, 246);  
box-shadow:4px 4px 4px 4px rgb(193, 247,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.8876, 84.5128, 99.7125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 247, 246) }
```

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

```
.background{ background-color: rgb(193,  
247, 246) }
```

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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