

# Converting Colors

XYZ(71.5691, 84.4662, 99.9179)

Have a look what the booklet for  
XYZ(71.5691, 84.4662, 99.9179)  
contains.

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# Color

**XYZ(71.3812, 84.2517,  
99.6888)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFF7F6
RGB	191, 247, 246
RGB Percent	75%, 97%, 96%
CMY	0.2510, 0.0314, 0.0353
CMYK	0.23, 0.00, 0.00, 0.03
HSL	179°, 78%, 86%
HSV	179°, 23%, 97%
XYZ	71.3812, 84.2517, 99.6888
YIQ	230.1420, -33.0550, -12.1830

# Conversions

## Conversions Part 2

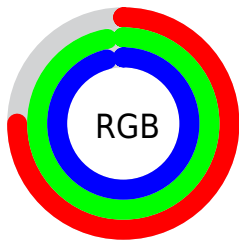
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	191, 219, 247
Decimal	12580854
CIE Lab	93.56, -17.76, -5.31
CIE LCh	94, 18.533, 196.644
Yxy	84.2517, 0.2796, 0.3300
Android (android.graphics.Color)	4290770934 (0xFFBFF7F6)
YUV	230.1420, 7.8180, -34.3275
Hunter-Lab	91.7887, -21.8164, -0.1409

# Details

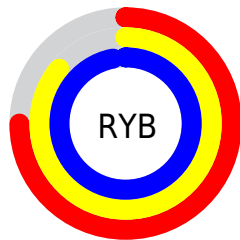
The XYZ color **71.3812, 84.2517, 99.6888** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.5060, 60.8440, 58.1115**, and the grayscale version is **75.2824, 79.2029, 86.2520**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **38.0784, 46.2135, 55.6284** is the 20% darker color. If you saturate the color by 10%, you get **65.6186, 81.2910, 99.0668**, and if you desaturate by 10%, it is **78.1964, 87.7594, 100.3645**.

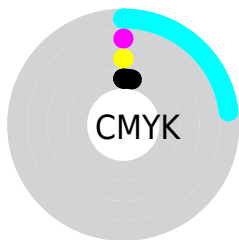
# Distribution



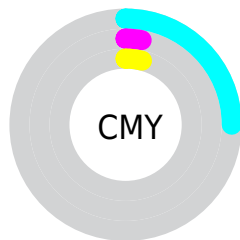
- Red (75%)
- Green (97%)
- Blue (96%)



- Red (75%)
- Yellow (86%)
- Blue (97%)



- Cyan (23%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)



- Cyan (25%)
- Magenta (3%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.3812, 84.2517, 99.6888 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 71.3812, 84.2517, 99.6888 by changing the saturation by 10% instead.



71.3812, 84.2517,  
99.6888

71.3812, 84.2517,  
99.6888

454.5760,  
509.1487, 580.4326

52.9370, 63.2233,  
75.4252

120.1919,  
139.3272, 162.7776

37.9798, 46.0219,  
55.4575

151.2891,  
174.1431, 202.4399

26.1441, 32.2631,  
39.3671

187.3348,  
214.3235, 248.0722

17.0647, 21.5625,  
26.7354

228.6941,  
260.2530, 300.0931

10.3762, 13.5358,  
17.1439

275.7326,  
312.3159, 358.9210

5.7133, 7.7985,  
10.1741

328.8155,

2.7105, 3.9663,

370.8965, 424.9745

5.4074

388.3082,  
436.3793, 498.6722

■ 1.0026, 1.6547,  
2.4254

■ 0.0000, 0.3941,  
0.8002

■ 71.3812, 84.2517,  
99.6888

■ 71.3812, 84.2517,  
99.6888

■ 65.6186, 81.2910,  
99.0668

■ 78.1964, 87.7594,  
100.3645

■ 60.8487, 78.8398,  
98.4903

■ 86.1057, 91.8289,  
101.0904

■ 57.0169, 76.8723,  
97.9586

■ 91.3416, 94.5202,  
101.6921

■ 54.0604, 75.3559,  
97.4687

■ 91.4100, 94.5476,  
102.0528

51.9086, 74.2544,  
97.0172

91.4787, 94.5750,  
102.4143

50.4803, 73.5258,  
96.6005

91.5475, 94.6026,  
102.7767

49.6768, 73.1193,  
96.2139

91.6165, 94.6302,  
103.1400

49.3766, 72.9702,  
95.9446

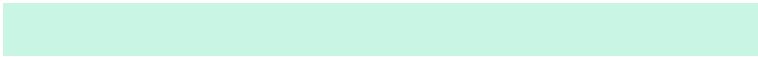
91.6857, 94.6578,  
103.5041

91.7550, 94.6855,  
103.8690

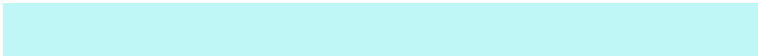
# Harmonies

## Analogous

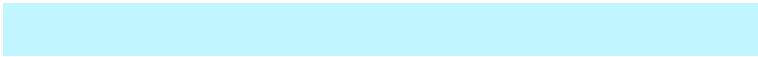
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.2516, 84.2517, 85.6388



71.3812, 84.2517, 99.6888



73.7790, 84.2517, 112.8019

# Triad

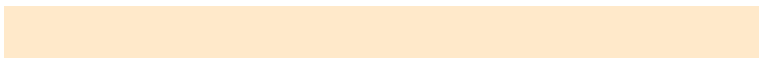
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.3812, 84.2517, 99.6888



87.1312, 84.2517, 111.5492



82.2764, 84.2517, 67.8932

# Complementary

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



71.3812, 84.2517, 99.6888



66.5060, 60.8440, 58.1115

# 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.



86.7272, 84.2517, 73.4707



71.3812, 84.2517, 99.6888



89.6063, 84.2517, 98.1154

# Square

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



71.3812, 84.2517, 99.6888



82.8096, 84.2517, 120.1132



89.4555, 84.2517, 84.2174

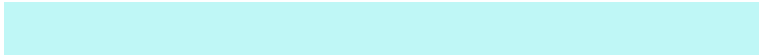


77.4086, 84.2517, 68.2218

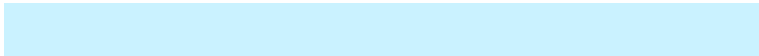


# Rectangle

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



71.3812, 84.2517, 99.6888



76.3989, 84.2517, 118.8238



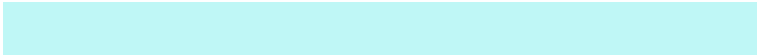
89.4555, 84.2517, 84.2174



83.8748, 84.2517, 69.1131

# Sweetspot

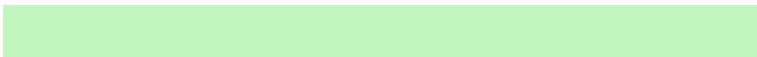
The Sweet Spot groups the original color and five complimentary colors.



71.3836, 84.2551, 99.6907



88.7337, 96.7498, 108.3359



64.6256, 81.6065, 61.6374



18.8821, 20.6515, 23.1782



0.0000, 0.0000, 0.0000

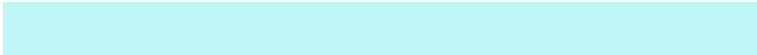


20.3446, 21.4041, 23.3091

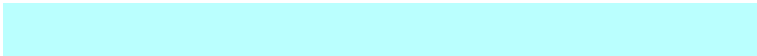


# Same Dimension

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



71.3836, 84.2551, 99.6907



73.8982, 89.1187, 106.8770



64.0981, 69.4370, 98.0239



16.9832, 18.7524, 21.1956



26.1186, 38.5923, 50.7718



2.2996, 3.3935, 4.4836



# Inverse Universe

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



66.5060, 60.8440, 58.1115



67.8413, 60.0453, 55.2434



72.6120, 73.2332, 59.6003



16.5112, 16.4873, 17.1725



20.3044, 10.4652, 1.0456

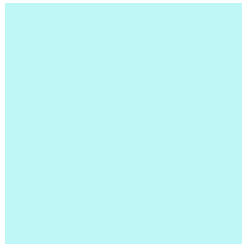


1.7887, 0.9214, 0.1137



# Previews

## White Background



This preview shows how the XYZ color 71.3812, 84.2517, 99.6888 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

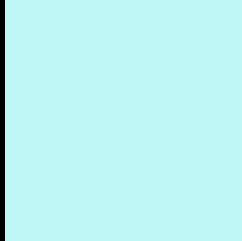
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.3812, 84.2517, 99.6888 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

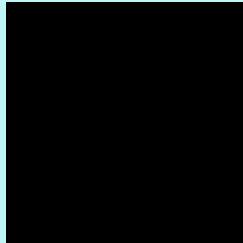
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 71.3812, 84.2517, 99.6888**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.3812, 84.2517, 99.6888.



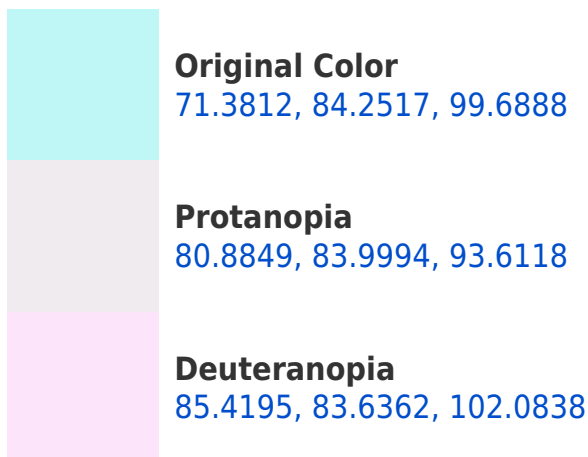
This preview shows how white text looks on a background with the XYZ color 71.3812, 84.2517,



# 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

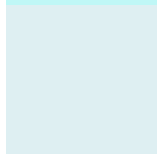
76.0966, 84.2796, 106.8646

# Trichromacy



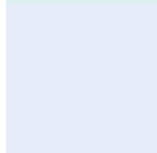
## Original Color

71.3812, 84.2517, 99.6888



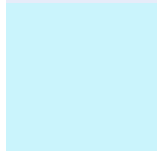
## Protanomaly

77.0177, 83.6734, 96.0957



## Deuteranomaly

79.7275, 83.6535, 101.5672



## Tritanomaly

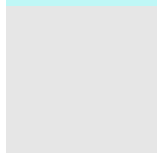
74.2785, 84.2862, 104.4494

# Monochromacy



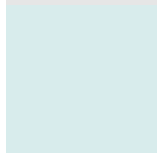
## Original Color

71.3812, 84.2517, 99.6888



## Achromatopsia

75.2129, 79.1298, 86.1723



## Achromatomaly

73.4547, 80.6460, 91.0516

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.3812, 84.2517, 99.6888 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(191, 247, 246)` looks like.

```
.text, #text, p{  
    color:rgb(191, 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(191, 247, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 247, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 71.3812, 84.2517, 99.6888 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(191, 247, 246) }
```



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

```
.border{ border-color:rgb(191, 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(191, 247, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 247, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 247, 246);  
box-shadow:4px 4px 4px 4px rgb(191, 247,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.3812, 84.2517, 99.6888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 247, 246) }
```

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

```
.background{ background-color: rgb(191,  
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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