

# Converting Colors

XYZ(71.6654, 83.2122, 98.0741)

Have a look what the booklet for  
XYZ(71.6654, 83.2122, 98.0741)  
contains.

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# Color

**XYZ(71.4448, 82.9688,  
97.8370)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4F4F4
RGB	196, 244, 244
RGB Percent	77%, 96%, 96%
CMY	0.2314, 0.0431, 0.0431
CMYK	0.20, 0.00, 0.00, 0.04
HSL	180°, 69%, 86%
HSV	180°, 20%, 96%
XYZ	71.4448, 82.9688, 97.8370
YIQ	229.6480, -28.6080, -10.1760

# Conversions

## Conversions Part 2

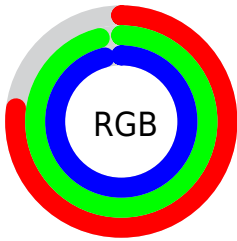
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 220, 244
Decimal	12907764
CIE <sub>Lab</sub>	93.00, -15.21, -5.06
CIE <sub>LCh</sub>	93, 16.032, 198.405
Yxy	82.9688, 0.2832, 0.3289
Android (android.graphics.Color)	4291097844 (0xFFC4F4F4)
YUV	229.6480, 7.0755, -29.5093
Hunter-Lab	91.0872, -19.3951, 0.0775

# Details

The XYZ color **71.4448, 82.9688, 97.8370** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.0149, 62.7008, 60.7985**, and the grayscale version is **74.9202, 78.8219, 85.8370**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **38.0448, 45.2600, 54.3078** is the 20% darker color. If you saturate the color by 10%, you get **65.6074, 79.9617, 97.5643**, and if you desaturate by 10%, it is **78.3192, 86.5148, 98.1618**.

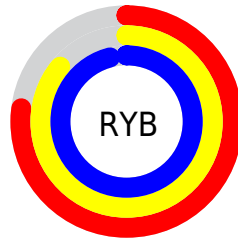
# Distribution



Red (77%)

Green (96%)

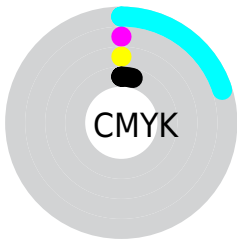
Blue (96%)



Red (77%)

Yellow (86%)

Blue (96%)

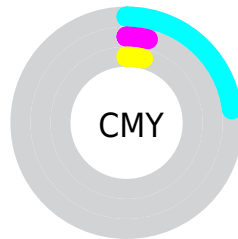


Cyan (20%)

Magenta (0%)

Yellow (0%)

Black (4%)



Cyan (23%)

Magenta (4%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.4448, 82.9688, 97.8370 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 71.4448, 82.9688, 97.8370 by changing the saturation by 10% instead.




 71.4448, 82.9688,  
97.8370

 71.4448, 82.9688,  
97.8370


454.7945,  
504.8825, 574.4227

 52.9891, 62.1644,  
73.8886


120.2819,  
137.5318, 160.2074

 38.0215, 45.1656,  
54.2066


151.3941,  
172.0591, 199.4664

 26.1767, 31.5879,  
38.3726


187.4558,  
211.9296, 244.6661

 17.0892, 21.0469,  
25.9679

228.8323,  
257.5276, 296.2249

 10.3938, 13.1583,  
16.5741

275.8891,  
309.2375, 354.5615

 5.7251, 7.5376,  
9.7726

328.9915,

 2.7177, 3.8005,

367.4437, 420.0943

5.1448

388.5049,  
432.5306, 493.2418

■ 1.0063, 1.5626,  
2.2722

■ 0.0000, 0.3322,  
0.7156

■ 71.4448, 82.9688,  
97.8370

■ 71.4448, 82.9688,  
97.8370

■ 65.6074, 79.9617,  
97.5643

■ 78.3192, 86.5148,  
98.1618

■ 60.7499, 77.4576,  
97.3357

■ 86.2698, 90.6135,  
98.5351

■ 56.8208, 75.4321,  
97.1505

■ 89.9223, 92.4964,  
98.7074

■ 53.7609, 73.8547,  
97.0060

■ 89.9225, 92.4965,  
98.7087

■ 51.5044, 72.6914,  
96.8991

■ 89.9228, 92.4966,  
98.7100

■ 49.9758, 71.9035,  
96.8263

■ 89.9230, 92.4967,  
98.7113

■ 49.0857, 71.4446,  
96.7833

■ 89.9233, 92.4968,  
98.7126

■ 48.6896, 71.2404,  
96.7635

■ 89.9235, 92.4969,  
98.7139

■ 48.6796, 71.2353,  
96.7630

■ 89.9238, 92.4970,  
98.7152

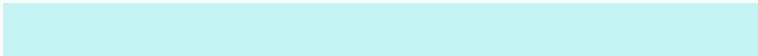
# Harmonies

## Analogous

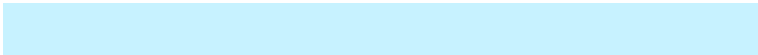
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.2127, 82.9688, 85.7712



71.4448, 82.9688, 97.8370



73.6206, 82.9688, 108.7559

# Triad

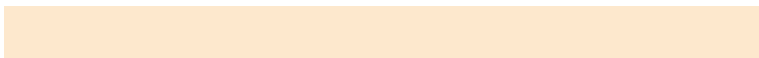
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.4448, 82.9688, 97.8370



85.0520, 82.9688, 106.5730



80.4931, 82.9688, 69.5307

# Complementary

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



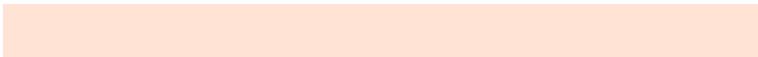
71.4448, 82.9688, 97.8370



67.0149, 62.7008, 60.7985

# 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.



84.3409, 82.9688, 74.1282



71.4448, 82.9688, 97.8370



87.0347, 82.9688, 95.0660

# Square

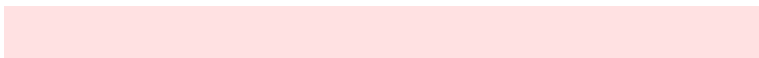
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.4448, 82.9688, 97.8370



81.4358, 82.9688, 114.0999



86.7699, 82.9688, 83.2341

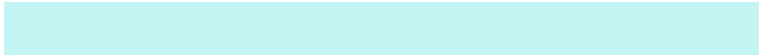


76.3379, 82.9688, 70.1294

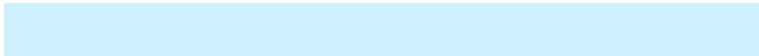


# Rectangle

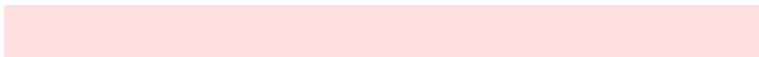
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.4448, 82.9688, 97.8370



75.9254, 82.9688, 113.5863



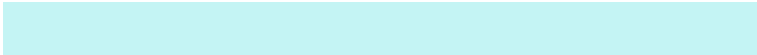
86.7699, 82.9688, 83.2341



81.8680, 82.9688, 70.5019

# Sweetspot

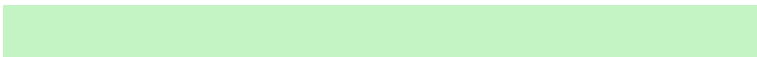
The Sweet Spot groups the original color and five complimentary colors.



71.4472, 82.9722, 97.8389



89.6432, 97.2127, 108.6461



65.2906, 80.5337, 64.3295



19.0671, 20.7455, 23.2491



0.0000, 0.0000, 0.0000

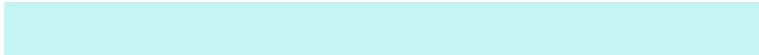


20.3446, 21.4041, 23.3091



# Same Dimension

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



71.4472, 82.9722, 97.8389



76.0062, 90.1826, 108.0053



64.9002, 69.8775, 95.6589



16.9967, 18.7578, 21.2671



26.4681, 38.7321, 52.6121



2.3263, 3.4042, 4.6242



# Inverse Universe

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



67.0149, 62.7008, 60.7985



70.2029, 63.6408, 59.5075



72.6588, 73.9890, 62.6780



16.4992, 16.4826, 17.1096



20.2862, 10.4579, 0.9497

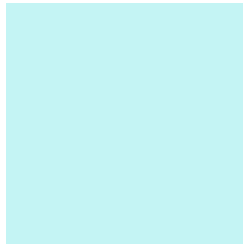


1.7830, 0.9192, 0.0836



# Previews

## White Background



This preview shows how the XYZ color 71.4448, 82.9688, 97.8370 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

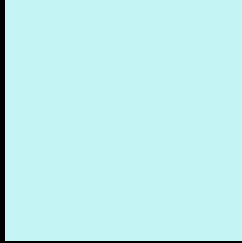
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.4448, 82.9688, 97.8370 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

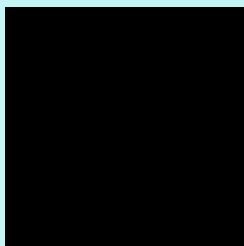
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

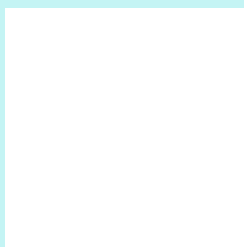
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.4448, 82.9688, 97.8370**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.4448, 82.9688, 97.8370.



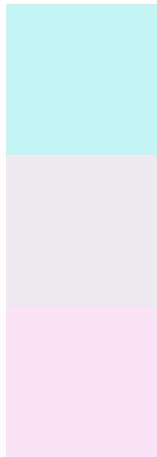
This preview shows how white text looks on a background with the XYZ color 71.4448, 82.9688,

97.8370.

# 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

71.4448, 82.9688, 97.8370

### Protanopia

79.4966, 82.4554, 92.6145

### Deuteranopia

84.0412, 82.1628, 99.4252



## Tritanopia

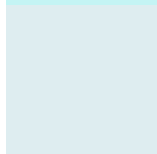
75.2225, 82.9501, 106.6541

# Trichromacy



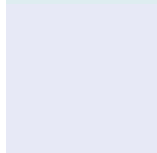
## Original Color

71.4448, 82.9688, 97.8370



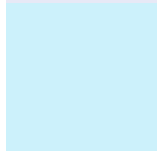
## Protanomaly

76.1366, 82.3892, 94.3280



## Deuteranomaly

78.7285, 81.9206, 98.8516



## Tritanomaly

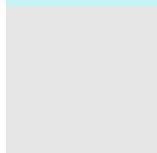
73.7697, 82.7130, 103.3439

# Monochromacy



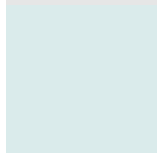
## Original Color

71.4448, 82.9688, 97.8370



## Achromatopsia

75.2129, 79.1298, 86.1723



## Achromatomaly

73.6172, 80.3202, 90.2206

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.4448, 82.9688, 97.8370 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(196, 244, 244)` looks like.

```
.text, #text, p{  
    color:rgb(196, 244, 244)  
}
```

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(196, 244, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 244, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 71.4448, 82.9688, 97.8370 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(196, 244, 244) }
```



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

```
.border{ border-color:rgb(196, 244, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 244, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 244, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 244, 244); box-shadow:4px 4px 4px 4px rgb(196, 244, 244) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.4448, 82.9688, 97.8370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 244, 244) }
```

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

```
.background{ background-color: rgb(196,  
244, 244) }
```

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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