

Converting Colors

XYZ(70.7896, 80.2564, 99.8221)

Have a look what the booklet for
XYZ(70.7896, 80.2564, 99.8221)
contains.

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Color

**XYZ(70.9437, 80.4542,
99.7858)**

Conversions

Conversions Part 1

Format	Color
Hex	C6EFF7
RGB	198, 239, 247
RGB Percent	78%, 94%, 97%
CMY	0.2235, 0.0627, 0.0314
CMYK	0.20, 0.03, 0.00, 0.03
HSL	190°, 75%, 87%
HSV	190°, 20%, 97%
XYZ	70.9437, 80.4542, 99.7858
YIQ	227.6530, -27.0040, -6.2040

Conversions

Conversions Part 2

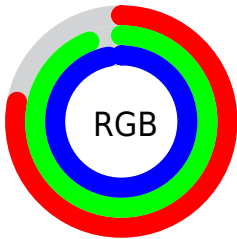
Format	Color
R _Y B	198, 220, 247
Decimal	13037559
CIE Lab	91.89, -11.48, -8.25
CIE LCh	92, 14.140, 215.707
Yxy	80.4542, 0.2824, 0.3203
Android (android.graphics.Color)	4291227639 (0xFFC6EFF7)
YUV	227.6530, 9.5381, -26.0057
Hunter-Lab	89.6963, -15.7870, -3.1719

Details

The XYZ color **70.9437, 80.4542, 99.7858** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.6228, 67.9940, 62.8295**, and the grayscale version is **73.4379, 77.2624, 84.1388**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.6651, 43.4682, 55.6953** is the 20% darker color. If you saturate the color by 10%, you get **63.7901, 75.0359, 99.1183**, and if you desaturate by 10%, it is **79.1900, 86.4790, 100.5154**.

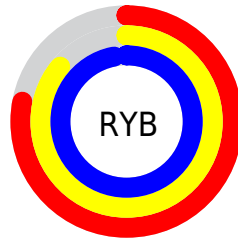
Distribution



Red (78%)

Green (94%)

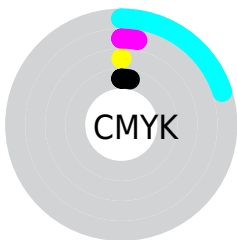
Blue (97%)



Red (78%)

Yellow (86%)

Blue (97%)

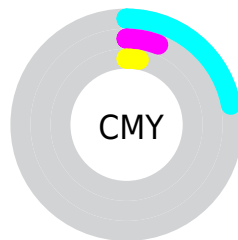


Cyan (20%)

Magenta (3%)

Yellow (0%)

Black (3%)



Cyan (22%)

Magenta (6%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.9437, 80.4542, 99.7858 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 70.9437, 80.4542, 99.7858 by changing the saturation by 10% instead.

70.9437, 80.4542,
99.7858

70.9437, 80.4542,
99.7858

453.0715,
496.4622, 580.7465

52.5786, 60.0922,
75.5058

119.5725,
134.0041, 162.9121

37.6926, 43.4929,
55.5231

150.5669,
167.9608, 202.5955

25.9203, 30.2721,
39.4193

186.5019,
207.2179, 248.2503

16.8964, 20.0452,
26.7757

227.7427,
252.1597, 300.2953

10.2555, 12.4279,
17.1739

274.6547,
303.1706, 359.1488

5.6323, 7.0358,
10.1953

327.6032,

2.6613, 3.4845,

360.6351, 425.2295

5.4213

386.9537,
424.9375, 498.9559

■ 0.9773, 1.3896,
2.4335

■ 0.0000, 0.2090,
0.8046

■ 70.9437, 80.4542,
99.7858

■ 70.9437, 80.4542,
99.7858

■ 63.7901, 75.0359,
99.1183

■ 79.1900, 86.4790,
100.5154

■ 57.6706, 70.1875,
98.5050

■ 88.5701, 93.1256,
101.3039

■ 52.5317, 65.8831,
97.9450

■ 92.5566, 97.0313,
101.8477

■ 48.3122, 62.0911,
97.4355

■ 93.7888, 99.4955,
102.2584

■ 44.9438, 58.7758,
96.9731

■ 42.3486, 55.8970,
96.5542

■ 40.4336, 53.4063,
96.1744

■ 39.0476, 51.2256,
95.8265

■ 39.0267, 51.1914,
95.8210

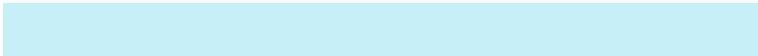
Harmonies

Analogous

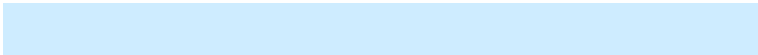
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.7361, 80.4542, 89.6027



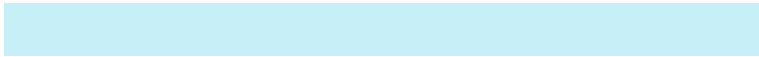
70.9437, 80.4542, 99.7858



73.6353, 80.4542, 107.1006

Triad

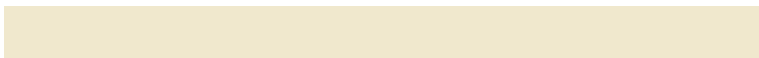
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.9437, 80.4542, 99.7858



83.0051, 80.4542, 96.0795



75.7777, 80.4542, 69.1879

Complementary

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



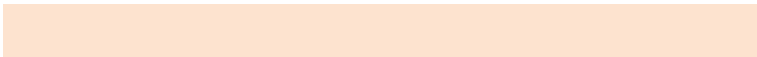
70.9437, 80.4542, 99.7858



70.6228, 67.9940, 62.8295

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.



79.3751, 80.4542, 70.6246



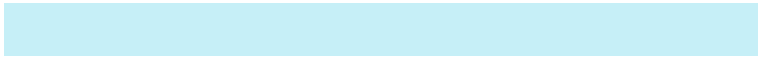
70.9437, 80.4542, 99.7858



83.6225, 80.4542, 85.6293

Square

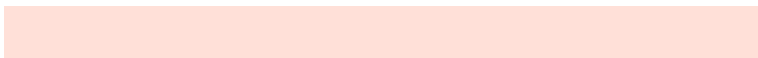
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.9437, 80.4542, 99.7858



80.6133, 80.4542, 104.8451



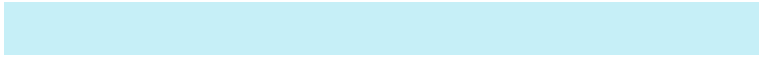
82.2746, 80.4542, 76.4507



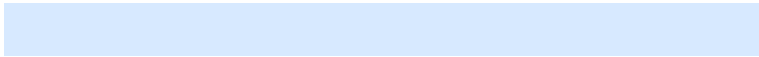
72.4698, 80.4542, 72.3595

Rectangle

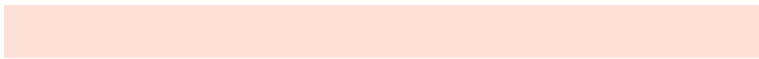
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



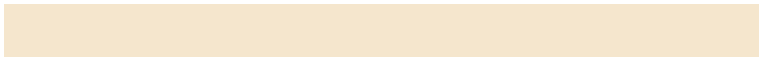
70.9437, 80.4542, 99.7858



75.9483, 80.4542, 109.0710



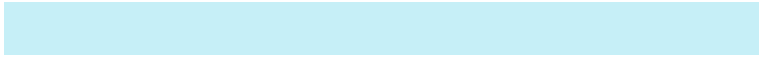
82.2746, 80.4542, 76.4507



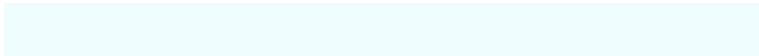
76.9926, 80.4542, 69.1512

Sweetspot

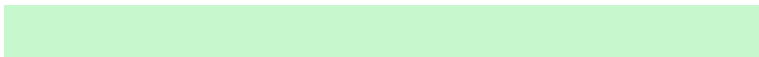
The Sweet Spot groups the original color and five complimentary colors.



70.9461, 80.4575, 99.7876



88.8520, 95.6300, 108.3832



67.6127, 82.9535, 70.4289



18.8794, 20.3701, 23.1867



0.0000, 0.0000, 0.0000



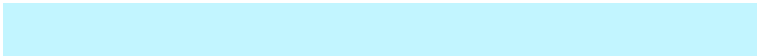
20.3446, 21.4041, 23.3091

Same Dimension

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



70.9461, 80.4575, 99.7876



72.9029, 83.9750, 106.9741



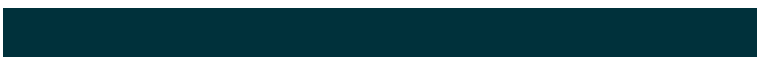
64.4173, 67.4000, 97.6114



16.7530, 18.2703, 21.1861



20.7288, 27.2514, 50.7055



1.8820, 2.5153, 4.4766

Inverse Universe

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



74.1337, 66.3961, 90.5736



76.9706, 66.3479, 95.1455



76.8073, 80.3631, 64.8910



17.0907, 16.7191, 20.2240



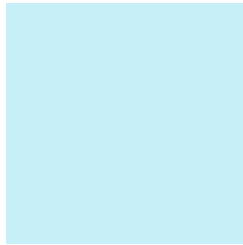
26.2675, 12.8504, 32.4464



2.3390, 1.1416, 3.0115

Previews

White Background



This preview shows how the XYZ color 70.9437, 80.4542, 99.7858 looks on a white background.

Color Contrast Check

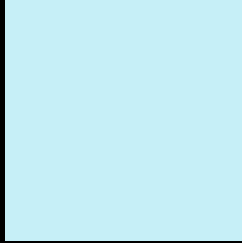
Large Text (above 18pt) WCAG AA × Fail

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 70.9437, 80.4542, 99.7858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

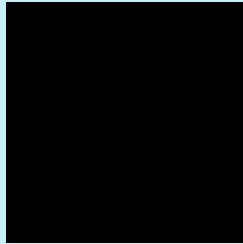
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.9437, 80.4542, 99.7858

Background



This preview shows how black text looks on a background with the XYZ color 70.9437, 80.4542, 99.7858.

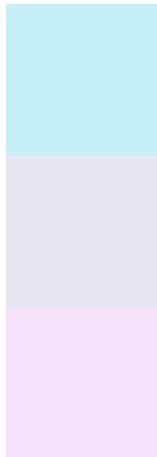


This preview shows how white text looks on a background with the XYZ color 70.9437, 80.4542,

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

70.9437, 80.4542, 99.7858

Protanopia

77.4527, 80.1003, 94.5978

Deuteranopia

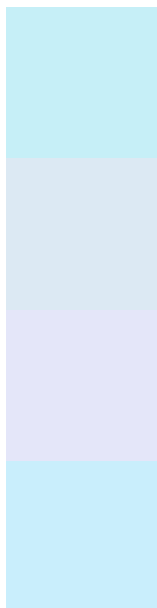
81.8367, 80.1650, 101.6026



Tritanopia

72.6913, 80.3449, 106.2846

Trichromacy



Original Color

70.9437, 80.4542, 99.7858

Protanomaly

74.8318, 79.9645, 96.2847

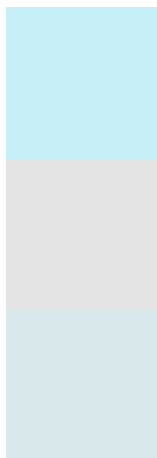
Deuteranomaly

77.3906, 79.9272, 100.9711

Tritanomaly

72.2326, 80.5949, 103.8448

Monochromacy



Original Color

70.9437, 80.4542, 99.7858

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

72.4673, 78.4631, 89.9227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9437, 80.4542, 99.7858 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(198, 239, 247)` looks like.

```
.text, #text, p{  
    color:rgb(198, 239, 247)  
}
```

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(198, 239, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 239, 247) }
```

Border

The CSS property to change the border of an element to XYZ 70.9437, 80.4542, 99.7858 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(198, 239, 247) }
```


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

```
.border{ border-color:rgb(198, 239, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 239, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 239, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 239, 247);  
box-shadow:4px 4px 4px 4px rgb(198, 239,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9437, 80.4542, 99.7858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 239, 247) }
```

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

```
.background{ background-color: rgb(198,  
239, 247) }
```

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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