

Converting Colors

XYZ(70.8853, 84.8791, 94.2260)

Have a look what the booklet for
XYZ(70.8853, 84.8791, 94.2260)
contains.

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Color

**XYZ(70.9415, 85.0597,
94.3405)**

Conversions

Conversions Part 1

Format	Color
Hex	BFF9EF
RGB	191, 249, 239
RGB Percent	75%, 98%, 94%
CMY	0.2510, 0.0235, 0.0627
CMYK	0.23, 0.00, 0.04, 0.02
HSL	170°, 83%, 86%
HSV	170°, 23%, 98%
XYZ	70.9415, 85.0597, 94.3405
YIQ	230.5180, -31.3580, -15.4060

Conversions

Conversions Part 2

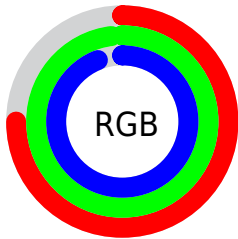
Format	Color
R_{YB}	191, 223, 249
Decimal	12581359
CIE _{Lab}	93.91, -20.20, -1.17
CIE _{LCh}	94, 20.230, 183.313
Yxy	85.0597, 0.2834, 0.3398
Android (android.graphics.Color)	4290771439 (0xFFBFF9EF)
YUV	230.5180, 4.1816, -34.6573
Hunter-Lab	92.2278, -24.0967, 3.9113

Details

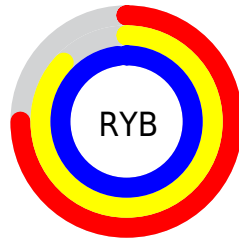
The XYZ color **70.9415, 85.0597, 94.3405** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.2433, 61.6206, 63.5590**, and the grayscale version is **75.5861, 79.5225, 86.6000**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **37.5502, 46.3524, 51.7675** is the 20% darker color. If you saturate the color by 10%, you get **64.5776, 81.8537, 90.7716**, and if you desaturate by 10%, it is **78.3899, 88.8275, 98.0425**.

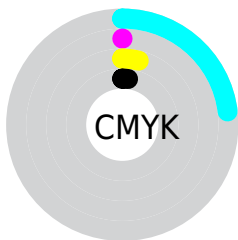
Distribution



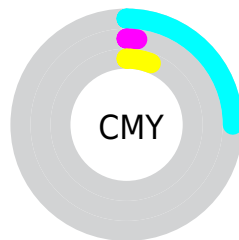
- Red (75%)
- Green (98%)
- Blue (94%)



- Red (75%)
- Yellow (87%)
- Blue (98%)



- Cyan (23%)
- Magenta (0%)
- Yellow (4%)
- Black (2%)





- Cyan (25%)
- Magenta (2%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.9415, 85.0597, 94.3405 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 70.9415, 85.0597, 94.3405 by changing the saturation by 10% instead.

 70.9415, 85.0597,
94.3405

 70.9415, 85.0597,
94.3405


453.0639,
511.8256, 562.9818

 52.5768, 63.8907,
70.9923


 119.5694,
140.4566, 155.3409

 37.6912, 46.5622,
51.8542


150.5633,
175.4533, 193.8302

 25.9192, 32.6897,
36.5074


186.4977,
215.8280, 238.2037

 16.8956, 21.8888,
24.5335


227.7379,
261.9651, 288.8798

 10.2549, 13.7752,
15.5140

274.6493,
314.2490, 346.2771

 5.6319, 7.9645,
9.0303

327.5971,

 2.6611, 4.0722,

373.0641, 410.8142

4.6639

386.9469,
438.7949, 482.9096

■ 0.9772, 1.7141,
1.9962

■ 0.0000, 0.4327,
0.5529

■ 70.9415, 85.0597,
94.3405

■ 70.9415, 85.0597,
94.3405

■ 64.5776, 81.8537,
90.7716

■ 78.3899, 88.8275,
98.0425

■ 59.2370, 79.1712,
87.3269

■ 86.9656, 93.1725,
101.8747

■ 54.8635, 76.9856,
84.0050

■ 92.6696, 96.0354,
105.6523

■ 51.3925, 75.2635,
80.8025

■ 93.1672, 96.2344,
108.2724

■ 48.7513, 73.9675,
77.7153

■ 46.8559, 73.0543,
74.7390

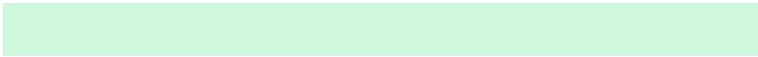
■ 45.6044, 72.4714,
71.8683

■ 45.0252, 72.2136,
69.9971

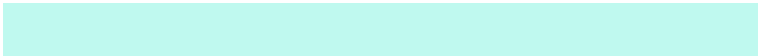
Harmonies

Analogous

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



71.9415, 85.0597, 79.9226



70.9415, 85.0597, 94.3405



72.4967, 85.0597, 109.8801

Triad

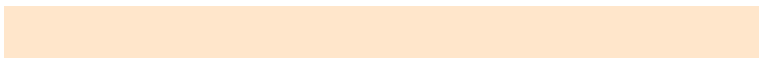
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.9415, 85.0597, 94.3405



86.6694, 85.0597, 119.6805



85.5879, 85.0597, 68.5610

Complementary

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



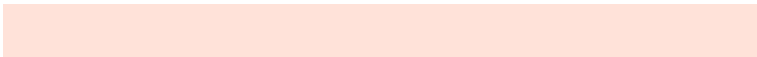
70.9415, 85.0597, 94.3405



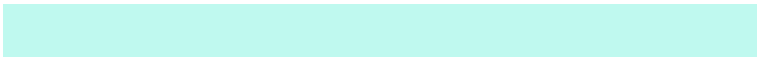
68.2433, 61.6206, 63.5590

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.



89.8144, 85.0597, 77.2613



70.9415, 85.0597, 94.3405



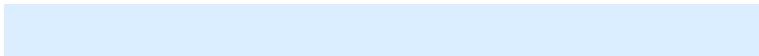
90.4580, 85.0597, 106.5859

Square

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



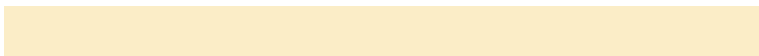
70.9415, 85.0597, 94.3405



81.4468, 85.0597, 125.4959



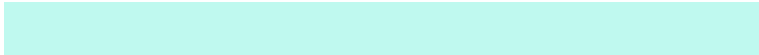
91.6335, 85.0597, 90.9118



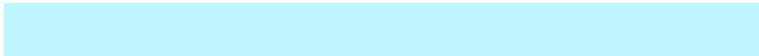
80.2496, 85.0597, 66.0472

Rectangle

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



70.9415, 85.0597, 94.3405



74.8155, 85.0597, 118.4962



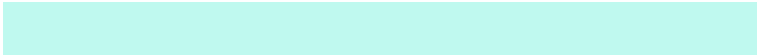
91.6335, 85.0597, 90.9118



87.1936, 85.0597, 70.8075

Sweetspot

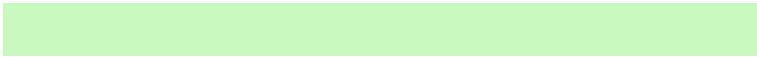
The Sweet Spot groups the original color and five complimentary colors.



70.9439, 85.0632, 94.3424



88.2934, 96.5737, 106.0173



67.5403, 84.0220, 61.9498



18.7798, 20.6106, 22.6396



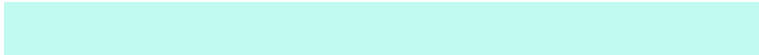
0.0000, 0.0000, 0.0000



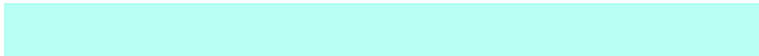
20.3446, 21.4041, 23.3091

Same Dimension

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



70.9439, 85.0632, 94.3424



71.5618, 88.1131, 97.7817



67.0607, 74.8656, 100.5426



17.6298, 19.5542, 21.5169



24.1472, 38.6719, 37.7138



2.2692, 3.5948, 3.6654

Inverse Universe

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



68.2433, 61.6206, 63.5590



68.2515, 59.3566, 60.0328



71.3643, 69.6850, 58.9809



17.3668, 17.2741, 18.5211



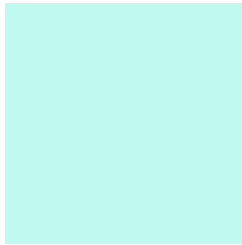
21.1801, 10.8878, 2.3908



1.9947, 1.0216, 0.3953

Previews

White Background



This preview shows how the XYZ color 70.9415, 85.0597, 94.3405 looks on a white background.

Color Contrast Check

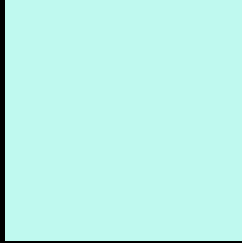
Large Text (above 18pt) WCAG AA × Fail

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 70.9415, 85.0597, 94.3405 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

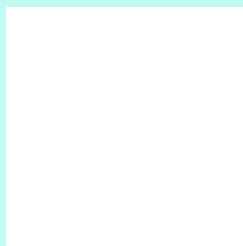
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.9415, 85.0597, 94.3405

Background



This preview shows how black text looks on a background with the XYZ color 70.9415, 85.0597, 94.3405.

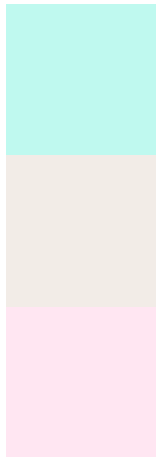


This preview shows how white text looks on a background with the XYZ color 70.9415, 85.0597,

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

70.9415, 85.0597, 94.3405

Protanopia

81.0372, 84.6377, 87.6669

Deuteranopia

85.5638, 84.2644, 95.7594



Tritanopia

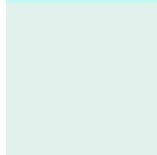
76.9535, 84.7213, 106.9047

Trichromacy



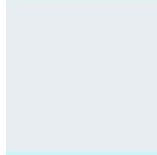
Original Color

70.9415, 85.0597, 94.3405



Protanomaly

76.7380, 84.5391, 90.1151



Deuteranomaly

79.4401, 84.0751, 95.2603



Tritanomaly

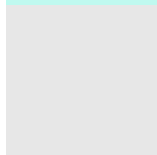
74.6531, 84.9817, 102.0910

Monochromacy



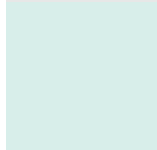
Original Color

70.9415, 85.0597, 94.3405



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.7447, 81.6885, 89.7226

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9415, 85.0597, 94.3405 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, 249, 239)` looks like.

```
.text, #text, p{  
    color:rgb(191, 249, 239)  
}
```

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, 249, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 249, 239) }
```

Border

The CSS property to change the border of an element to XYZ 70.9415, 85.0597, 94.3405 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, 249, 239) }
```


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

```
.border{ border-color:rgb(191, 249, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 249, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 249, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 249, 239);  
box-shadow:4px 4px 4px 4px rgb(191, 249,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9415, 85.0597, 94.3405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 249, 239) }
```

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

```
.background{ background-color: rgb(191,  
249, 239) }
```

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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