

Converting Colors

XYZ(71.0927, 83.5433,
100.6576)

Have a look what the booklet for
XYZ(71.0927, 83.5433, 100.6576)
contains.

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Color

**XYZ(70.9795, 83.5741,
100.3861)**

Conversions

Conversions Part 1

Format	Color
Hex	BEF6F7
RGB	190, 246, 247
RGB Percent	75%, 96%, 97%
CMY	0.2549, 0.0353, 0.0314
CMYK	0.23, 0.00, 0.00, 0.03
HSL	181°, 78%, 86%
HSV	181°, 23%, 97%
XYZ	70.9795, 83.5741, 100.3861
YIQ	229.3700, -33.6970, -11.5610

Conversions

Conversions Part 2

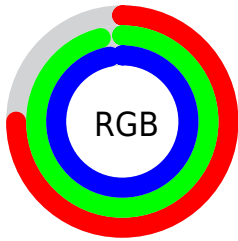
Format	Color
R_{YB}	190, 218, 247
Decimal	12515063
CIE _{Lab}	93.27, -17.34, -6.27
CIE _{LCh}	93, 18.439, 199.872
Y _{xy}	83.5741, 0.2784, 0.3278
Android (android.graphics.Color)	4290705143 (0xFFBEF6F7)
YUV	229.3700, 8.6916, -34.5275
Hunter-Lab	91.4189, -21.3919, -1.1125

Details

The XYZ color **70.9795, 83.5741, 100.3861** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.2837, 60.7538, 56.9500**, and the grayscale version is **74.7064, 78.5969, 85.5920**.

A 20% lighter version of the original color is **92.1678, 98.5142, 108.7651**, and **37.8091, 45.7394, 56.1261** is the 20% darker color. If you saturate the color by 10%, you get **65.1949, 80.3993, 100.0796**, and if you desaturate by 10%, it is **77.8148, 87.2953, 100.7455**.

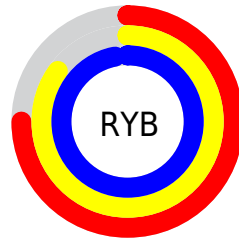
Distribution



Red (75%)

Green (96%)

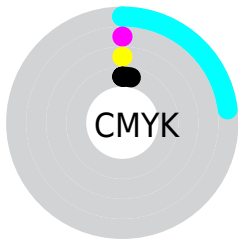
Blue (97%)



Red (75%)

Yellow (85%)

Blue (97%)

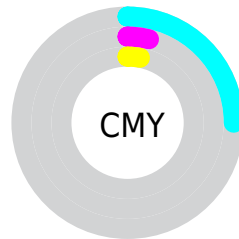


Cyan (23%)

Magenta (0%)

Yellow (0%)

Black (3%)



Cyan (25%)

Magenta (4%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.9795, 83.5741, 100.3861 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 70.9795, 83.5741, 100.3861 by changing the saturation by 10% instead.

70.9795, 83.5741,
100.3861

70.9795, 83.5741,
100.3861

453.1947,
506.8979, 582.6871

52.6079, 62.6639,
76.0043

119.6232,
138.3792, 163.7442

37.7161, 45.5693,
55.9294

150.6261,
173.0430, 203.5576

25.9386, 31.9061,
39.7427

186.5701,
213.0599, 249.3519

16.9102, 21.2898,
27.0257

227.8206,
258.8146, 301.5458

10.2654, 13.3360,
17.3599

274.7429,
310.6913, 360.5577

5.6389, 7.6603,
10.3268

327.7025,

2.6653, 3.8784,

369.0745, 426.8062

5.5077

387.0647,
434.3486, 500.7098

■ 0.9794, 1.6058,
2.4842

■ 0.0000, 0.3615,
0.8318

■ 70.9795, 83.5741,
100.3861

■ 70.9795, 83.5741,
100.3861

■ 65.1949, 80.3993,
100.0796

■ 77.8148, 87.2953,
100.7455

■ 60.4008, 77.7335,
99.8177


■ 85.7423, 91.5778,
101.1543


■ 56.5426, 75.5506,
99.5997


■ 91.3816, 94.6812,
101.4560


■ 53.5572, 73.8180,
99.4226


■ 91.5141, 94.9461,
101.5002


 51.3735, 72.4993,
99.2832


 91.6469, 95.2117,
101.5445


 49.9098, 71.5521,
99.1775


 91.7800, 95.4779,
101.5888

 49.0666, 70.9253,
99.1009

 91.9134, 95.7447,
101.6333

 48.7442, 70.6263,
99.0602

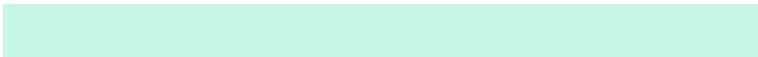
 92.0471, 96.0121,
101.6779

 92.1811, 96.2801,
101.7225

Harmonies

Analogous

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



70.5997, 83.5741, 86.3797



70.9795, 83.5741, 100.3861



73.5721, 83.5741, 112.9953

Triad

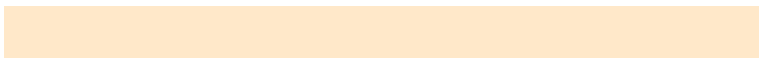
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.9795, 83.5741, 100.3861



86.7840, 83.5741, 109.3281



81.0866, 83.5741, 67.1475

Complementary

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



70.9795, 83.5741, 100.3861



66.2837, 60.7538, 56.9500

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.



85.6007, 83.5741, 72.0586



70.9795, 83.5741, 100.3861



88.9776, 83.5741, 95.7780

Square

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



70.9795, 83.5741, 100.3861



82.6484, 83.5741, 118.5109



88.5360, 83.5741, 82.2142



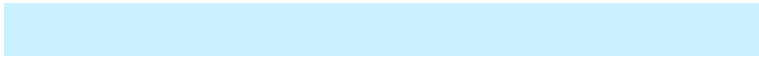
76.3053, 83.5741, 68.1112

Rectangle

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



70.9795, 83.5741, 100.3861



76.2672, 83.5741, 118.4622



88.5360, 83.5741, 82.2142



82.6887, 83.5741, 68.1449

Sweetspot

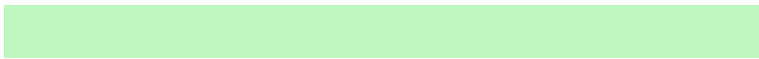
The Sweet Spot groups the original color and five complimentary colors.



70.9819, 83.5775, 100.3880



88.6856, 96.5713, 108.5736



63.8960, 81.2296, 61.5743



18.8709, 20.6101, 23.2335



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

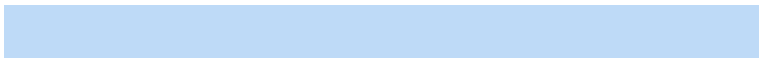
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.9819, 83.5775, 100.3880



73.0844, 88.0868, 107.7582



62.9802, 67.5740, 97.7207



16.9704, 18.7051, 21.2586



25.7906, 37.3749, 52.3928



2.2745, 3.3005, 4.6074

Inverse Universe

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



73.4078, 63.2568, 95.5334



76.1471, 62.5149, 101.6104



73.1026, 74.3917, 59.2230



17.2004, 16.7630, 20.8018



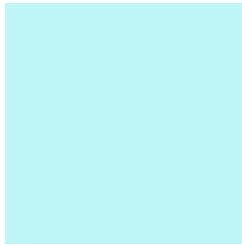
28.8224, 13.8724, 45.9006



2.5371, 1.2208, 4.0550

Previews

White Background



This preview shows how the XYZ color 70.9795, 83.5741, 100.3861 looks on a white background.

Color Contrast Check

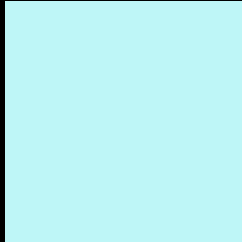
Large Text (above 18pt) WCAG AA × Fail

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 70.9795, 83.5741, 100.3861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

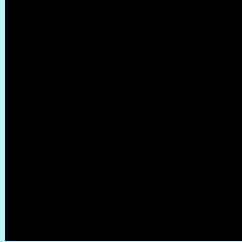
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.9795, 83.5741, 100.3861

Background



This preview shows how black text looks on a background with the XYZ color 70.9795, 83.5741, 100.3861.

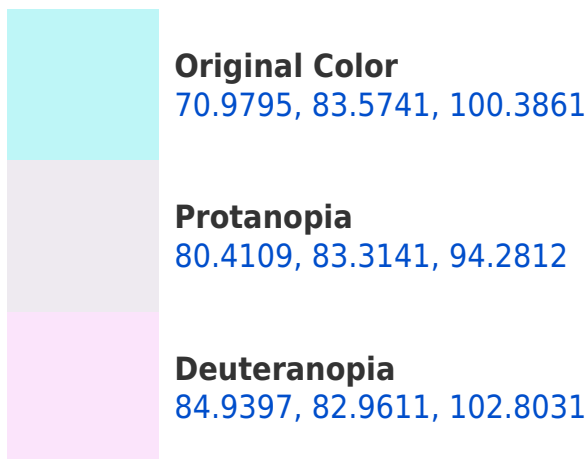


This preview shows how white text looks on a background with the XYZ color 70.9795, 83.5741,

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

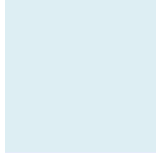
75.2374, 83.3960, 106.7393

Trichromacy



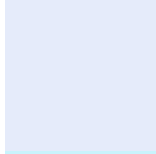
Original Color

70.9795, 83.5741, 100.3861



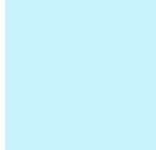
Protanomaly

76.5710, 82.9923, 96.7774



Deuteranomaly

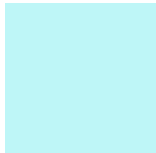
79.2767, 82.9768, 102.2803



Tritanomaly

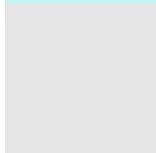
73.7087, 83.5470, 104.3368

Monochromacy



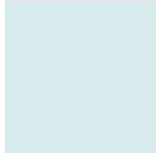
Original Color

70.9795, 83.5741, 100.3861



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

72.8730, 79.9199, 90.9421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9795, 83.5741, 100.3861 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(190, 246, 247)` looks like.

```
.text, #text, p{  
    color:rgb(190, 246, 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(190, 246, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 246, 247) }
```

Border

The CSS property to change the border of an element to XYZ 70.9795, 83.5741, 100.3861 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(190, 246, 247) }
```


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

```
.border{ border-color:rgb(190, 246, 247) }
```

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

Here you see how a box with a 4 pixel rgb(190, 246, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 246, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 246, 247);  
box-shadow:4px 4px 4px 4px rgb(190, 246,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9795, 83.5741, 100.3861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 246, 247) }
```

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

```
.background{ background-color: rgb(190,  
246, 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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