

Converting Colors

XYZ(70.5329, 84.4394, 88.6396)

Have a look what the booklet for
XYZ(70.5329, 84.4394, 88.6396)
contains.

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Color

**XYZ(70.6386, 84.5631,
88.9432)**

Conversions

Conversions Part 1

Format	Color
Hex	C3F8E8
RGB	195, 248, 232
RGB Percent	76%, 97%, 91%
CMY	0.2353, 0.0274, 0.0902
CMYK	0.21, 0.00, 0.06, 0.03
HSL	162°, 79%, 87%
HSV	162°, 21%, 97%
XYZ	70.6386, 84.5631, 88.9432
YIQ	230.3290, -26.4520, -16.2120

Conversions

Conversions Part 2

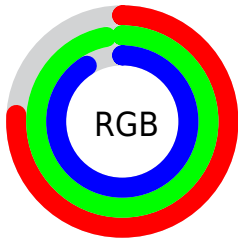
Format	Color
RYB	195, 226, 248
Decimal	12843240
CIELab	93.69, -19.92, 2.17
CIELCh	94, 20.037, 173.785
Yxy	84.5631, 0.2893, 0.3464
Android (android.graphics.Color)	4291033320 (0xFFC3F8E8)
YUV	230.3290, 0.8238, -30.9835
Hunter-Lab	91.9582, -23.8103, 7.0247

Details

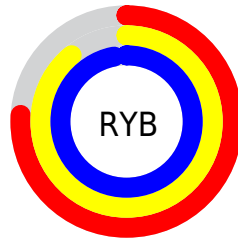
The XYZ color **70.6386, 84.5631, 88.9432** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.9874, 63.6921, 70.2368**, and the grayscale version is **75.4675, 79.3977, 86.4641**.

A 20% lighter version of the original color is **93.9549, 99.4354, 108.8487**, and **37.2825, 45.9716, 47.9827** is the 20% darker color. If you saturate the color by 10%, you get **63.7145, 81.1162, 83.1858**, and if you desaturate by 10%, it is **78.6770, 88.5838, 94.9930**.

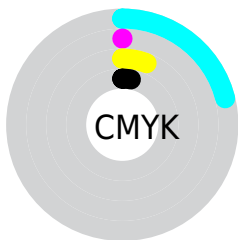
Distribution



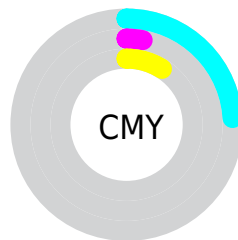
- Red (76%)
- Green (97%)
- Blue (91%)



- Red (76%)
- Yellow (89%)
- Blue (97%)



- Cyan (21%)
- Magenta (0%)
- Yellow (6%)
- Black (3%)



- Cyan (24%)
- Magenta (3%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.6386, 84.5631, 88.9432 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 70.6386, 84.5631, 88.9432 by changing the saturation by 10% instead.

70.6386, 84.5631,
88.9432

70.6386, 84.5631,
88.9432

452.0206,
510.1813, 545.0682

52.3288, 63.4804,
66.5357

119.1403,
139.7626, 147.7922

37.4925, 46.2300,
48.2482

150.0629,
174.6482, 185.0709

25.7645, 32.4274,
33.6621

185.9205,
214.9036, 228.1436

16.7793, 21.6881,
22.3589

227.0784,
260.9132, 277.4291

10.1716, 13.6279,
13.9200

273.9020,
313.0614, 333.3457

5.5760, 7.8623,
7.9269

326.7567,

2.6272, 4.0070,

371.7325, 396.3121

3.9611

386.0078,
437.3110, 466.7467

■ 0.9598, 1.6775,
1.6040

■ 0.0000, 0.4090,
0.2937

■ 70.6386, 84.5631,
88.9432

■ 70.6386, 84.5631,
88.9432

■ 63.7145, 81.1162,
83.1858

■ 78.6770, 88.5838,
94.9930

■ 57.8446, 78.2052,
77.7096

■ 87.8720, 93.1931,
101.3346

■ 52.9736, 75.8042,
72.5108

■ 92.7731, 95.5835,
107.7175

■ 49.0384, 73.8805,
67.5837

■ 92.8589, 95.6179,
108.1696

■ 45.9683, 72.3978,
62.9216

■ 43.6822, 71.3144,
58.5177

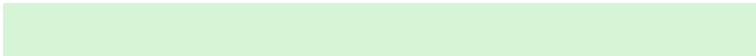
■ 42.0827, 70.5801,
54.3642

■ 41.1238, 70.1598,
50.9730

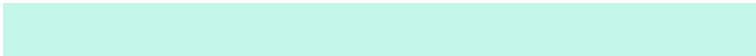
Harmonies

Analogous

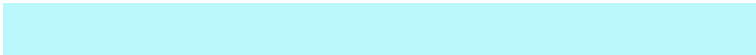
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.4093, 84.5631, 75.8451



70.6386, 84.5631, 88.9432



71.3824, 84.5631, 104.3888

Triad

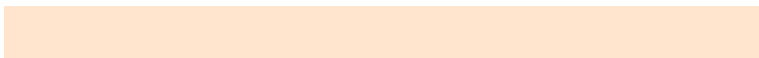
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.6386, 84.5631, 88.9432



84.5666, 84.5631, 121.5328



86.5640, 84.5631, 70.4251

Complementary

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



70.6386, 84.5631, 88.9432



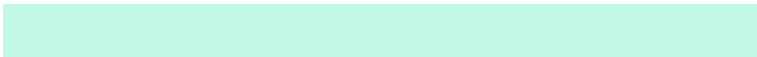
69.9874, 63.6921, 70.2368

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.



90.0921, 84.5631, 80.7695



70.6386, 84.5631, 88.9432



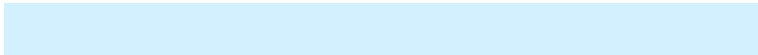
88.9038, 84.5631, 110.4689

Square

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



70.6386, 84.5631, 88.9432



79.2736, 84.5631, 124.3381



90.9666, 84.5631, 95.2791



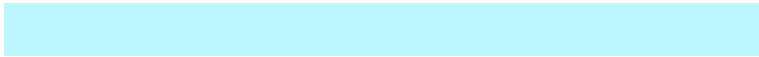
81.4859, 84.5631, 65.9394

Rectangle

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



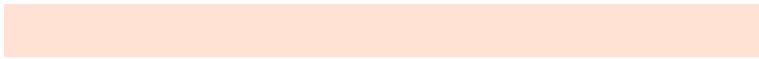
70.6386, 84.5631, 88.9432



73.2213, 84.5631, 113.8449



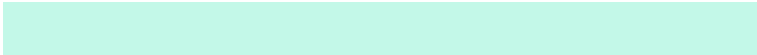
90.9666, 84.5631, 95.2791



87.9795, 84.5631, 73.2736

Sweetspot

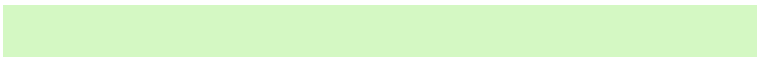
The Sweet Spot groups the original color and five complimentary colors.



70.6410, 84.5666, 88.9451



88.9085, 96.9188, 104.7768



70.5094, 85.0435, 64.3300



18.8929, 20.6759, 22.3319



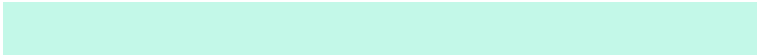
0.0000, 0.0000, 0.0000



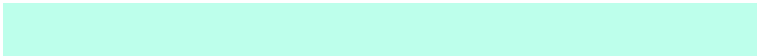
20.3446, 21.4041, 23.3091

Same Dimension

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



70.6410, 84.5666, 88.9451



71.6647, 88.2976, 91.8496



70.1088, 79.6969, 100.4989



17.5295, 19.5141, 20.9889



22.2792, 37.9247, 27.8774



2.1104, 3.5313, 2.8292

Inverse Universe

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



69.9874, 63.6921, 70.2368



70.8469, 62.1158, 68.3943



70.3281, 67.4262, 60.9391



17.4603, 17.3115, 19.0137



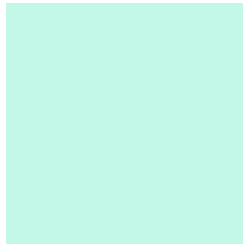
21.6498, 11.0756, 4.8643



2.0499, 1.0437, 0.6864

Previews

White Background



This preview shows how the XYZ color 70.6386, 84.5631, 88.9432 looks on a white background.

Color Contrast Check

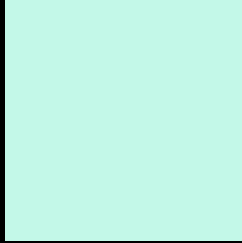
Large Text (above 18pt) WCAG AA × Fail

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 70.6386, 84.5631, 88.9432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

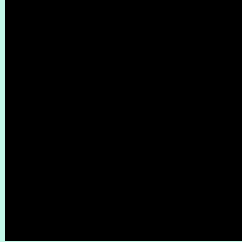
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

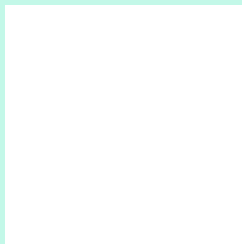
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.6386, 84.5631, 88.9432

Background



This preview shows how black text looks on a background with the XYZ color 70.6386, 84.5631, 88.9432.

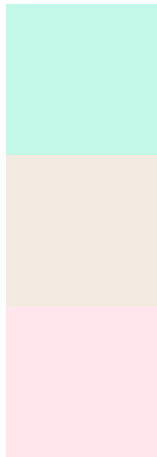


This preview shows how white text looks on a background with the XYZ color 70.6386, 84.5631,

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

70.6386, 84.5631, 88.9432

Protanopia

80.2611, 83.9076, 83.1997

Deuteranopia

84.6771, 83.9098, 91.0901



Tritanopia

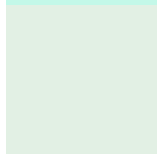
76.9459, 84.2767, 106.8193

Trichromacy



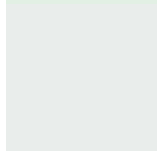
Original Color

70.6386, 84.5631, 88.9432



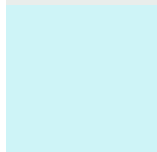
Protanomaly

76.5277, 84.0904, 85.5964



Deuteranomaly

78.8839, 83.8902, 90.6321



Tritanomaly

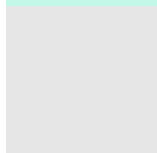
74.5928, 84.5386, 100.3818

Monochromacy



Original Color

70.6386, 84.5631, 88.9432



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

73.3233, 81.0896, 87.3886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.6386, 84.5631, 88.9432 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(195, 248, 232)` looks like.

```
.text, #text, p{  
    color:rgb(195, 248, 232)  
}
```

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(195, 248, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 248, 232) }
```

Border

The CSS property to change the border of an element to XYZ 70.6386, 84.5631, 88.9432 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(195, 248, 232) }
```


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

```
.border{ border-color:rgb(195, 248, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 248, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 248, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 248, 232);  
box-shadow:4px 4px 4px 4px rgb(195, 248,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6386, 84.5631, 88.9432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 248, 232) }
```

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

```
.background{ background-color: rgb(195,  
248, 232) }
```

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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