

Converting Colors

XYZ(69.7094, 87.3722, 88.0273)

Have a look what the booklet for
XYZ(69.7094, 87.3722, 88.0273)
contains.

XYZ(69.8101, 87.4235, 88.0580)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(69.8101, 87.4235,
88.0580)**

Conversions

Conversions Part 1

Format	Color
Hex	B8FFE6
RGB	184, 255, 230
RGB Percent	72%, 100%, 90%
CMY	0.2784, 0.0000, 0.0980
CMYK	0.28, 0.00, 0.10, 0.00
HSL	159°, 100%, 86%
HSV	159°, 28%, 100%
XYZ	69.8101, 87.4235, 88.0580
YIQ	230.9210, -34.2910, -22.8270

Conversions

Conversions Part 2

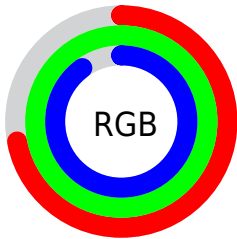
Format	Color
RYB	184, 227, 255
Decimal	12124134
CIELab	94.92, -26.97, 4.90
CIElCh	95, 27.410, 169.702
Yxy	87.4235, 0.2846, 0.3564
Android (android.graphics.Color)	4290314214 (0xFFB8FFE6)
YUV	230.9210, -0.4541, -41.1497
Hunter-Lab	93.5005, -30.3529, 9.6116

Details

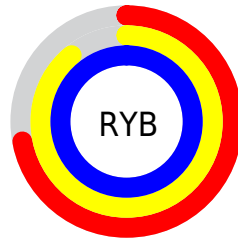
The XYZ color **69.8101, 87.4235, 88.0580** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.8897, 60.1455, 68.2476**, and the grayscale version is **75.9182, 79.8719, 86.9805**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **36.9852, 48.1504, 47.9021** is the 20% darker color. If you saturate the color by 10%, you get **63.0139, 84.0619, 81.3274**, and if you desaturate by 10%, it is **77.7740, 91.3796, 95.1851**.

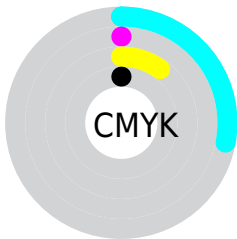
Distribution



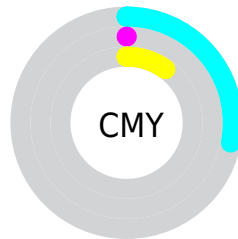
- Red (72%)
- Green (100%)
- Blue (90%)



- Red (72%)
- Yellow (89%)
- Blue (100%)



- Cyan (28%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (28%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.8101, 87.4235, 88.0580 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 69.8101, 87.4235, 88.0580 by changing the saturation by 10% instead.


 69.8101, 87.4235,
88.0580

 69.8101, 87.4235,
88.0580


449.1598,
519.6135, 542.0994

 51.6508, 65.8457,
65.8065


 117.9657,
143.7543, 146.5498

 36.9499, 48.1472,
47.6598


148.6926,
179.2761, 183.6271

 25.3422, 33.9435,
33.1995


184.3394,
220.2147, 226.4834

 16.4623, 22.8502,
22.0070

225.2715,
266.9545, 275.5373

 9.9448, 14.4829,
13.6637

271.8543,
319.8799, 331.2073

 5.4244, 8.4573,
7.7510

324.4530,

 2.5356, 4.3889,

379.3752, 393.9120

3.8506

383.4330,
445.8250, 464.0698

■ 0.9133, 1.8934,
1.5437

■ 0.0000, 0.5444,
0.2502

■ 69.8101, 87.4235,
88.0580

■ 69.8101, 87.4235,
88.0580

■ 63.0139, 84.0619,
81.3274

■ 77.7740, 91.3796,
95.1851

■ 57.3226, 81.2625,
74.9811

■ 86.9587, 95.9574,
102.7120

■ 52.6714, 78.9920,
69.0124

95.0500, 100.0000,
108.9000

■ 48.9874, 77.2130,
63.4125

■ 46.1876, 75.8827,
58.1721

■ 44.1746, 74.9511,
53.2811

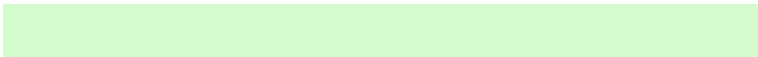
■ 42.8180, 74.3512,
48.7277

■ 42.5711, 74.2445,
47.7870

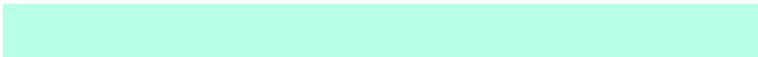
Harmonies

Analogous

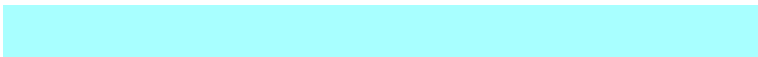
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.6629, 87.4235, 71.0950



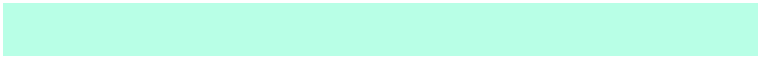
69.8101, 87.4235, 88.0580



70.3514, 87.4235, 109.6656

Triad

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



69.8101, 87.4235, 88.0580



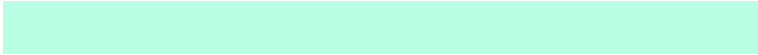
88.0053, 87.4235, 139.1577



92.6839, 87.4235, 67.2602

Complementary

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



69.8101, 87.4235, 88.0580



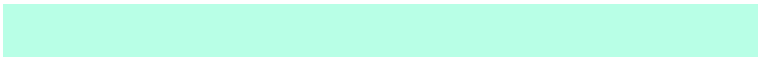
69.8897, 60.1455, 68.2476

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.



97.2879, 87.4235, 82.0466



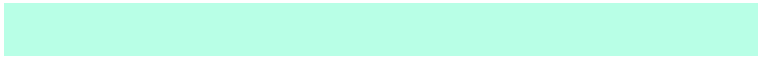
69.8101, 87.4235, 88.0580



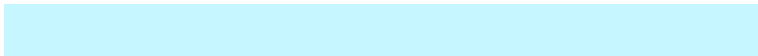
94.4772, 87.4235, 124.1918

Square

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



69.8101, 87.4235, 88.0580



80.5645, 87.4235, 141.4068



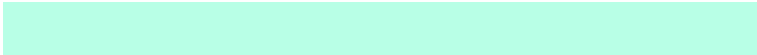
97.9631, 87.4235, 102.6956



85.6747, 87.4235, 60.3302

Rectangle

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



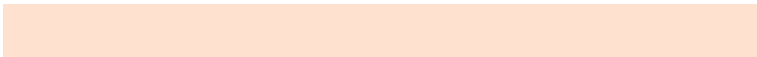
69.8101, 87.4235, 88.0580



72.5755, 87.4235, 123.8025



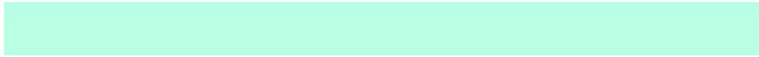
97.9631, 87.4235, 102.6956



94.5814, 87.4235, 71.3639

Sweetspot

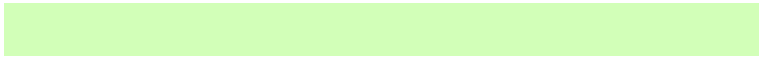
The Sweet Spot groups the original color and five complimentary colors.



69.8110, 87.4239, 88.0594



86.8039, 95.8801, 102.5900



71.0003, 88.6876, 58.7251



18.2673, 20.3665, 21.7108



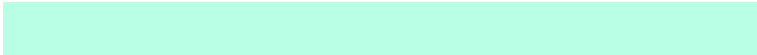
0.0000, 0.0000, 0.0000



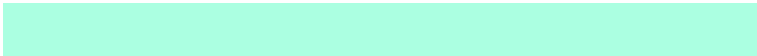
20.3446, 21.4041, 23.3091

Same Dimension

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



69.8110, 87.4239, 88.0594



66.1632, 85.6176, 84.5385



70.6319, 83.0389, 106.9131



18.2673, 20.3665, 21.7108



22.3179, 38.8237, 25.3569



2.2249, 3.8009, 2.7421

Inverse Universe

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



69.8897, 60.1455, 68.2476



66.2560, 54.5217, 61.9692



69.0658, 63.0684, 53.8820



18.2735, 18.0927, 20.0573



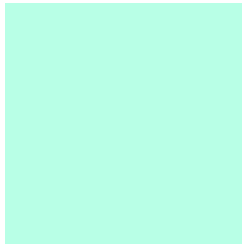
22.5721, 11.5181, 6.3971



2.2473, 1.1413, 0.8837

Previews

White Background



This preview shows how the XYZ color 69.8101, 87.4235, 88.0580 looks on a white background.

Color Contrast Check

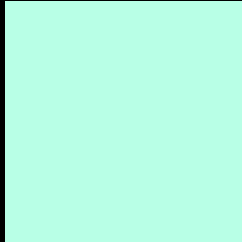
Large Text (above 18pt) WCAG AA × Fail

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 69.8101, 87.4235, 88.0580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

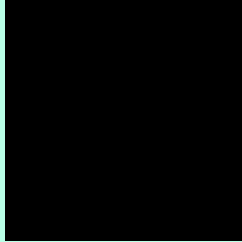
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

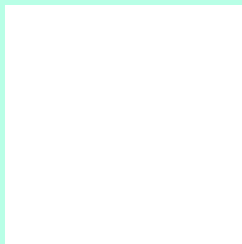
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.8101, 87.4235, 88.0580

Background



This preview shows how black text looks on a background with the XYZ color 69.8101, 87.4235, 88.0580.

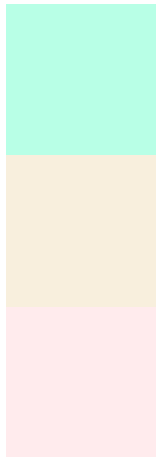


This preview shows how white text looks on a background with the XYZ color 69.8101, 87.4235,

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

69.8101, 87.4235, 88.0580

Protanopia

82.6290, 86.9099, 80.8269

Deuteranopia

86.2344, 86.7911, 92.3281



Tritanopia

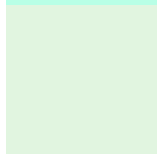
79.3177, 87.2765, 107.2733

Trichromacy



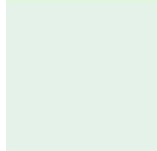
Original Color

69.8101, 87.4235, 88.0580



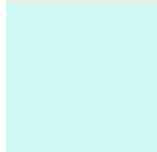
Protanomaly

77.1583, 86.6942, 83.1880



Deuteranomaly

78.9165, 86.1028, 90.3021



Tritanomaly

75.6871, 87.3843, 100.0665

Monochromacy



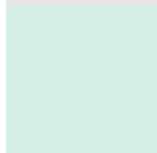
Original Color

69.8101, 87.4235, 88.0580



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.3154, 82.3858, 87.6392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8101, 87.4235, 88.0580 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(184, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(184, 255, 230)  
}
```

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(184, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 255, 230) }
```

Border

The CSS property to change the border of an element to XYZ 69.8101, 87.4235, 88.0580 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(184, 255, 230) }
```


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

```
.border{ border-color:rgb(184, 255, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 255, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(184, 255,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8101, 87.4235, 88.0580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 255, 230) }
```

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

```
.background{ background-color: rgb(184,  
255, 230) }
```

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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