

Converting Colors

XYZ(75.6955, 100.0000,
79.9491)

Have a look what the booklet for
XYZ(75.6955, 100.0000, 79.9491)
contains.

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Color

**XYZ(69.3899, 87.4250,
78.1832)**

Conversions

Conversions Part 1

Format	Color
Hex	BEFFD8
RGB	190, 255, 216
RGB Percent	75%, 100%, 85%
CMY	0.2549, 0.0000, 0.1529
CMYK	0.25, 0.00, 0.15, 0.00
HSL	144°, 100%, 87%
HSV	144°, 25%, 100%
XYZ	69.3899, 87.4250, 78.1832
YIQ	231.1190, -26.2210, -25.9090

Conversions

Conversions Part 2

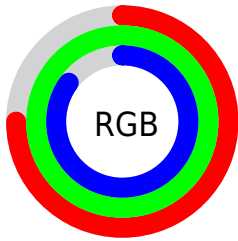
Format	Color
RYB	190, 236, 255
Decimal	12517336
CIELab	94.92, -27.88, 12.14
CIELCh	95, 30.409, 156.461
Yxy	87.4250, 0.2953, 0.3720
Android (android.graphics.Color)	4290707416 (0xFFBEFFD8)
YUV	231.1190, -7.4537, -36.0614
Hunter-Lab	93.5013, -31.1576, 15.8743

Details

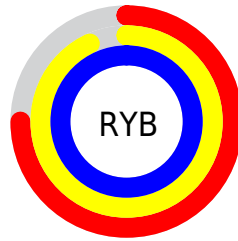
The XYZ color **69.3899, 87.4250, 78.1832** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.7968, 63.7450, 82.5433**, and the grayscale version is **76.1117, 80.0754, 87.2021**.

A 20% lighter version of the original color is **92.1678, 98.5142, 108.7651**, and **36.6188, 48.1123, 41.0748** is the 20% darker color. If you saturate the color by 10%, you get **61.6813, 83.6691, 67.9737**, and if you desaturate by 10%, it is **78.3985, 91.8298, 89.4178**.

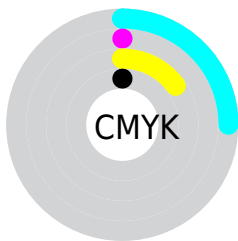
Distribution



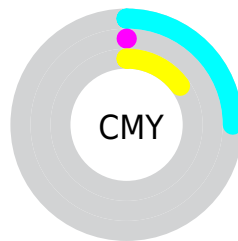
- Red (75%)
- Green (100%)
- Blue (85%)



- Red (75%)
- Yellow (93%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.3899, 87.4250, 78.1832 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 69.3899, 87.4250, 78.1832 by changing the saturation by 10% instead.


 69.3899, 87.4250,
78.1832

 69.3899, 87.4250,
78.1832

447.7048,
519.6184, 508.3332

 51.3071, 65.8470,
57.7071


 117.3693,
143.7564, 132.5966

 36.6751, 48.1482,
41.1601


147.9967,
179.2785, 167.3709

 25.1286, 33.9443,
28.1236


183.5362,
220.2175, 207.7485

 16.3021, 22.8508,
18.1790

224.3534,
266.9576, 254.1478

 9.8304, 14.4834,
10.9078

270.8134,
319.8834, 306.9874

 5.3480, 8.4576,
5.8915

323.2818,

 2.4897, 4.3891,

379.3792, 366.6858

2.7115

382.1238,
445.8294, 433.6615

■ 0.8901, 1.8935,
0.9492

■ 0.0000, 0.5445,
0.0000

■ 69.3899, 87.4250,
78.1832

■ 69.3899, 87.4250,
78.1832

■ 61.6813, 83.6691,
67.9737

■ 78.3985, 91.8298,
89.4178

■ 55.2073, 80.5290,
58.7560

■ 88.7634, 96.9120,
101.7011

■ 49.9003, 77.9703,
50.5010

95.0500, 100.0000,
108.9000

■ 45.6846, 75.9548,
43.1766

■ 42.4753, 74.4393,
36.7489

■ 40.1740, 73.3737,
31.1816

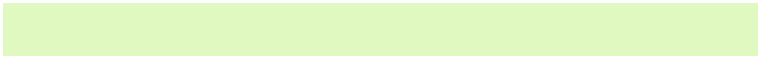
■ 38.6599, 72.6967,
26.4352

■ 38.1584, 72.4794,
24.5499

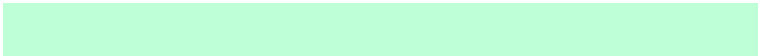
Harmonies

Analogous

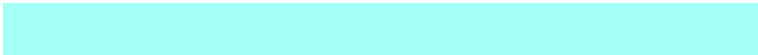
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.0240, 87.4250, 63.1418



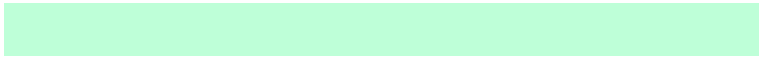
69.3899, 87.4250, 78.1832



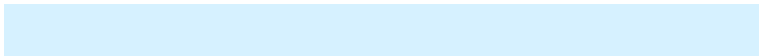
68.3148, 87.4250, 100.3927

Triad

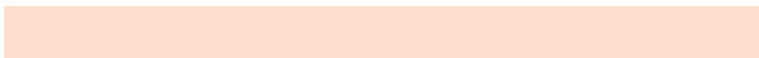
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.3899, 87.4250, 78.1832



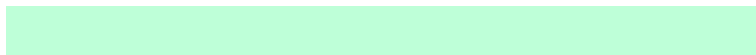
84.8918, 87.4250, 147.8158



96.5102, 87.4250, 70.6753

Complementary

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



69.3899, 87.4250, 78.1832



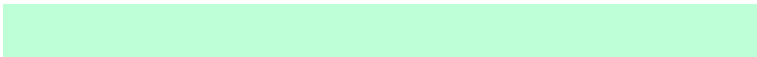
73.7968, 63.7450, 82.5433

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.



99.8662, 87.4250, 90.1721



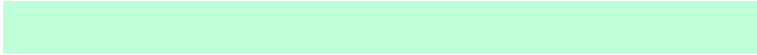
69.3899, 87.4250, 78.1832



92.8780, 87.4250, 136.5810

Square

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



69.3899, 87.4250, 78.1832



76.9221, 87.4250, 143.1849



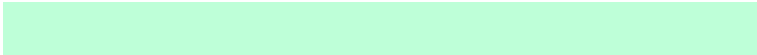
98.4950, 87.4250, 114.5020



89.5893, 87.4250, 59.3346

Rectangle

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



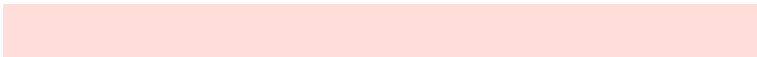
69.3899, 87.4250, 78.1832



69.6934, 87.4250, 116.8921



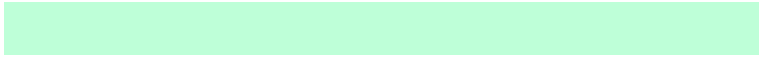
98.4950, 87.4250, 114.5020



98.1128, 87.4250, 76.3571

Sweetspot

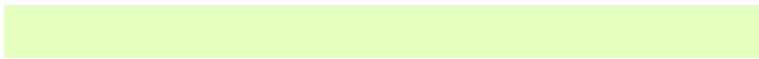
The Sweet Spot groups the original color and five complimentary colors.



69.3907, 87.4254, 78.1846



86.0305, 95.5707, 98.5170



77.3679, 91.8960, 62.3764



18.0726, 20.2886, 20.6852



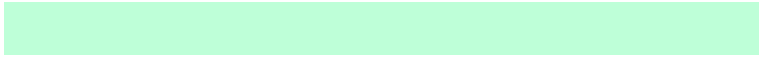
0.0000, 0.0000, 0.0000



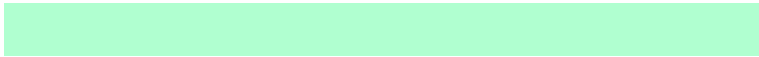
20.3446, 21.4041, 23.3091

Same Dimension

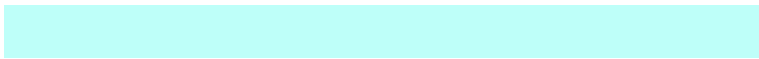
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.3907, 87.4254, 78.1846



64.9856, 85.2772, 72.4331



74.0167, 89.2758, 102.5452



18.0726, 20.2886, 20.6852



20.0074, 37.8996, 13.1902



2.0002, 3.7110, 1.5592

Inverse Universe

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



73.7968, 63.7450, 82.5433



70.1260, 57.6393, 77.5098



69.6750, 62.0963, 60.8381



18.4670, 18.1701, 21.0764



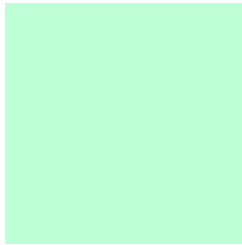
24.6288, 12.3408, 17.2276



2.4520, 1.2232, 1.9617

Previews

White Background



This preview shows how the XYZ color 69.3899, 87.4250, 78.1832 looks on a white background.

Color Contrast Check

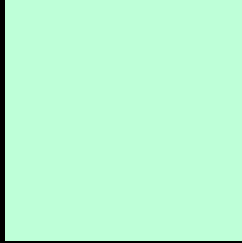
Large Text (above 18pt) WCAG AA × Fail

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 69.3899, 87.4250, 78.1832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

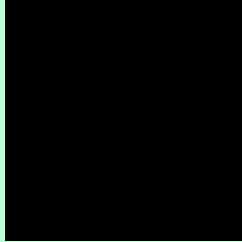
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

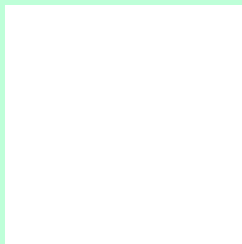
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.3899, 87.4250, 78.1832

Background



This preview shows how black text looks on a background with the XYZ color 69.3899, 87.4250, 78.1832.



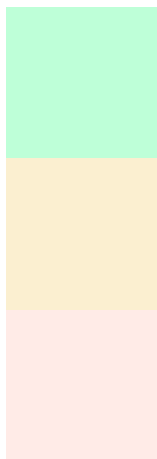
This preview shows how white text looks on a background with the XYZ color 69.3899, 87.4250,

78.1832.

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

69.3899, 87.4250, 78.1832

Protanopia

82.0353, 86.7963, 72.1041

Deuteranopia

85.3721, 86.4462, 87.7875



Tritanopia

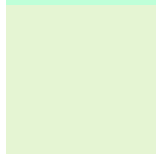
79.9159, 87.1370, 107.2148

Trichromacy



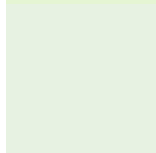
Original Color

69.3899, 87.4250, 78.1832



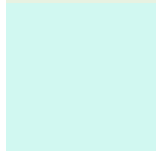
Protanomaly

76.7234, 86.6660, 74.3125



Deuteranomaly

78.4346, 85.9842, 84.4142



Tritanomaly

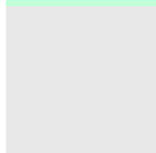
75.7391, 87.0410, 96.0278

Monochromacy



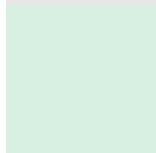
Original Color

69.3899, 87.4250, 78.1832



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.2065, 82.4101, 83.9999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.3899, 87.4250, 78.1832 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, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(190, 255, 216)  
}
```

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, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 255, 216) }
```

Border

The CSS property to change the border of an element to XYZ 69.3899, 87.4250, 78.1832 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, 255, 216) }
```


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

```
.border{ border-color:rgb(190, 255, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 255, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(190, 255,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 69.3899, 87.4250, 78.1832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 255, 216) }
```

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

```
.background{ background-color: rgb(190,  
255, 216) }
```

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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