

Converting Colors

XYZ(69.4068, 76.9916, 85.9914)

Have a look what the booklet for
XYZ(69.4068, 76.9916, 85.9914)
contains.

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Color

**XYZ(69.4340, 76.9817,
86.0623)**

Conversions

Conversions Part 1

Format	Color
Hex	D1E8E6
RGB	209, 232, 230
RGB Percent	82%, 91%, 90%
CMY	0.1804, 0.0902, 0.0980
CMYK	0.10, 0.00, 0.01, 0.09
HSL	175°, 33%, 86%
HSV	175°, 10%, 91%
XYZ	69.4340, 76.9817, 86.0623
YIQ	224.8950, -13.0660, -5.4980

Conversions

Conversions Part 2

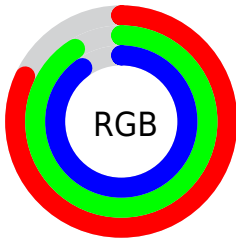
Format	Color
R _Y B	209, 221, 232
Decimal	13756646
CIE Lab	90.31, -7.93, -1.62
CIE LCh	90, 8.097, 191.542
Yxy	76.9817, 0.2987, 0.3311
Android (android.graphics.Color)	4291946726 (0xFFD1E8E6)
YUV	224.8950, 2.5168, -13.9399
Hunter-Lab	87.7392, -12.2845, 3.2606

Details

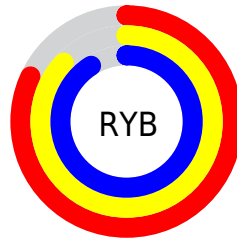
The XYZ color **69.4340, 76.9817, 86.0623** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.8398, 67.4619, 71.0774**, and the grayscale version is **71.4836, 75.2063, 81.8997**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.5896, 41.0158, 46.5458** is the 20% darker color. If you saturate the color by 10%, you get **63.0604, 73.7307, 84.2927**, and if you desaturate by 10%, it is **76.7711, 80.7332, 87.8973**.

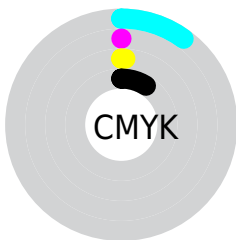
Distribution



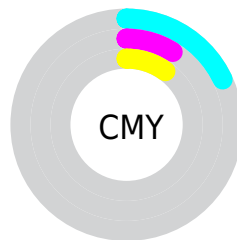
- Red (82%)
- Green (91%)
- Blue (90%)



- Red (82%)
- Yellow (87%)
- Blue (91%)



- Cyan (10%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)



- Cyan (18%)
- Magenta (9%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.4340, 76.9817, 86.0623 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 69.4340, 76.9817, 86.0623 by changing the saturation by 10% instead.

■ 69.4340, 76.9817,
86.0623

■ 69.4340, 76.9817,
86.0623

447.8576,
484.7016, 535.3726

■ 51.3432, 57.2379,
64.1643

117.4319,
129.1136, 143.7437

■ 36.7039, 41.1962,
46.3367

148.0697,
162.2705, 180.3643

■ 25.1510, 28.4725,
32.1610

183.6206,
200.6672, 222.7294

■ 16.3189, 18.6821,
21.2187

224.4498,
244.6881, 271.2576

■ 9.8424, 11.4408,
13.0912

270.9227,
294.7176, 326.3675

■ 5.3560, 6.3641,
7.3599

323.4048,

■ 2.4945, 3.0677,

351.1401, 388.4776

3.6063

382.2613,
414.3400, 458.0065

■ 0.8925, 1.1672,
1.4120

■ 0.0000, 0.0347,
0.1510

■ 69.4340, 76.9817,
86.0623

■ 69.4340, 76.9817,
86.0623

■ 63.0604, 73.7307,
84.2927

■ 76.7711, 80.7332,
87.8973

■ 57.6027, 70.9494,
82.5816

■ 84.9555, 84.9191,
89.7876

■ 53.0188, 68.6181,
80.9283

■ 85.2476, 85.0359,
91.3259

■ 49.2610, 66.7124,
79.3308

■ 85.5431, 85.1541,
92.8816

46.2770, 65.2051,
77.7863

85.8418, 85.2736,
94.4549

44.0082, 64.0663,
76.2923

86.1439, 85.3945,
96.0459

42.3881, 63.2614,
74.8454

86.4494, 85.5167,
97.6544

41.3373, 62.7497,
73.4420

86.7583, 85.6402,
99.2807

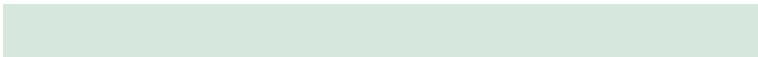
40.7209, 62.4615,
72.0756

87.0705, 85.7651,
100.9248

Harmonies

Analogous

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



69.5510, 76.9817, 80.3520



69.4340, 76.9817, 86.0623



70.3040, 76.9817, 91.4045

Triad

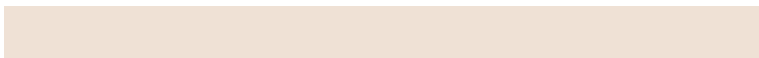
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.4340, 76.9817, 86.0623



75.7713, 76.9817, 92.4120



74.4037, 76.9817, 73.7186

Complementary

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



69.4340, 76.9817, 86.0623



67.8398, 67.4619, 71.0774

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.



76.1104, 76.9817, 76.6671



69.4340, 76.9817, 86.0623



76.9099, 76.9817, 87.3863

Square

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



69.4340, 76.9817, 86.0623



73.9476, 76.9817, 95.1813



77.0352, 76.9817, 81.6170



72.3955, 76.9817, 73.4007

Rectangle

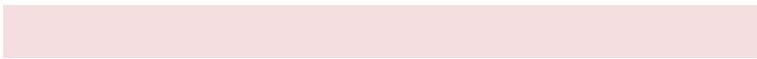
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.4340, 76.9817, 86.0623



71.3361, 76.9817, 93.9701



77.0352, 76.9817, 81.6170



75.0326, 76.9817, 74.4284

Sweetspot

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



69.4362, 76.9849, 86.0640



92.1842, 98.5350, 108.2069



67.3175, 76.2132, 71.4853



19.5713, 21.0088, 23.1213



0.0000, 0.0000, 0.0000



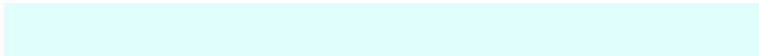
20.3446, 21.4041, 23.3091

Same Dimension

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



69.4362, 76.9849, 86.0640



84.2484, 94.4808, 106.1702



67.1965, 72.0526, 86.7137



14.7505, 16.3136, 18.2167



22.6268, 34.6828, 40.1303



1.6880, 2.5693, 3.0498

Inverse Universe

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



67.8398, 67.4619, 71.0774



81.8774, 80.3362, 83.9112



69.9133, 72.0084, 70.5369



14.4277, 14.3883, 15.1867



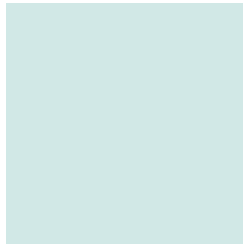
18.5652, 9.5603, 1.3395



1.3896, 0.7135, 0.1920

Previews

White Background



This preview shows how the XYZ color 69.4340, 76.9817, 86.0623 looks on a white background.

Color Contrast Check

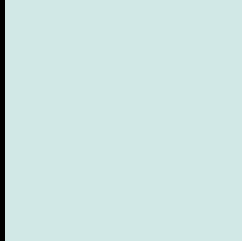
Large Text (above 18pt) WCAG AA × Fail

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 69.4340, 76.9817, 86.0623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

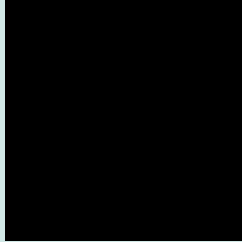
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

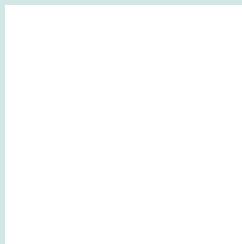
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.4340, 76.9817, 86.0623

Background



This preview shows how black text looks on a background with the XYZ color 69.4340, 76.9817, 86.0623.

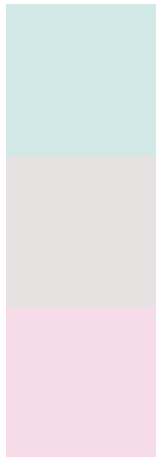


This preview shows how white text looks on a background with the XYZ color 69.4340, 76.9817,

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

69.4340, 76.9817, 86.0623

Protanopia

73.8788, 76.8726, 82.8956

Deuteranopia

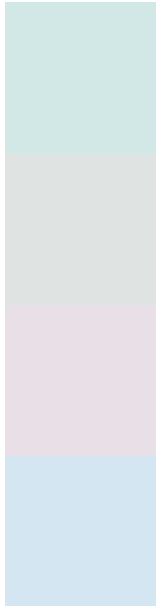
78.1647, 76.6054, 87.0105



Tritanopia

72.1140, 76.8130, 99.8325

Trichromacy



Original Color

69.4340, 76.9817, 86.0623

Protanomaly

72.0400, 76.7208, 83.6847

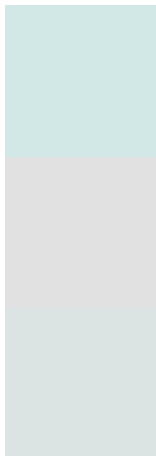
Deuteranomaly

74.6837, 76.4045, 86.4126

Tritanomaly

71.0380, 76.7934, 94.2976

Monochromacy



Original Color

69.4340, 76.9817, 86.0623

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.8219, 76.0929, 83.6277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.4340, 76.9817, 86.0623 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(209, 232, 230)` looks like.

```
.text, #text, p{  
    color:rgb(209, 232, 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(209, 232, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 232, 230) }
```

Border

The CSS property to change the border of an element to XYZ 69.4340, 76.9817, 86.0623 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(209, 232, 230) }
```


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

```
.border{ border-color:rgb(209, 232, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 232, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 232, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 232, 230);  
box-shadow:4px 4px 4px 4px rgb(209, 232,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 69.4340, 76.9817, 86.0623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 232, 230) }
```

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

```
.background{ background-color: rgb(209,  
232, 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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