

Converting Colors

XYZ(69.1237, 78.4833, 86.3122)

Have a look what the booklet for
XYZ(69.1237, 78.4833, 86.3122)
contains.

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Color

**XYZ(69.1802, 78.5414,
86.3767)**

Conversions

Conversions Part 1

Format	Color
Hex	CCECE6
RGB	204, 236, 230
RGB Percent	80%, 93%, 90%
CMY	0.2000, 0.0745, 0.0980
CMYK	0.14, 0.00, 0.03, 0.07
HSL	169°, 46%, 86%
HSV	169°, 14%, 93%
XYZ	69.1802, 78.5414, 86.3767
YIQ	225.7480, -17.1460, -8.6500

Conversions

Conversions Part 2

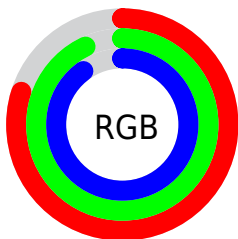
Format	Color
RYB	204, 222, 236
Decimal	13429990
CIELab	91.03, -11.56, -0.62
CIELCh	91, 11.573, 183.048
Yxy	78.5414, 0.2955, 0.3355
Android (android.graphics.Color)	4291620070 (0xFFCCECE6)
YUV	225.7480, 2.0962, -19.0730
Hunter-Lab	88.6236, -15.7529, 4.2497

Details

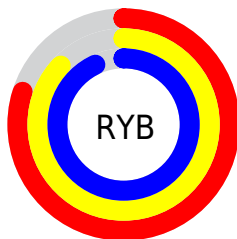
The XYZ color **69.1802, 78.5414, 86.3767** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.8206, 65.6738, 70.0781**, and the grayscale version is **72.1028, 75.8577, 82.6090**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.6368, 42.2217, 46.7761** is the 20% darker color. If you saturate the color by 10%, you get **62.5820, 75.2130, 82.8649**, and if you desaturate by 10%, it is **76.7788, 82.3880, 90.0211**.

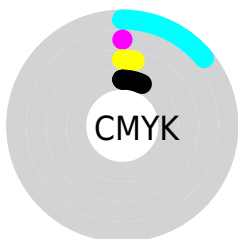
Distribution



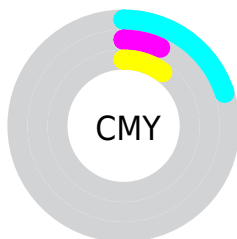
- Red (80%)
- Green (93%)
- Blue (90%)



- Red (80%)
- Yellow (87%)
- Blue (93%)



- Cyan (14%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)



- Cyan (20%)
- Magenta (7%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.1802, 78.5414, 86.3767 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 69.1802, 78.5414, 86.3767 by changing the saturation by 10% instead.

69.1802, 78.5414,
86.3767

69.1802, 78.5414,
86.3767

446.9777,
490.0035, 536.4354

51.1357, 58.5188,
64.4228

117.0716,
131.3130, 144.1862

36.5381, 42.2259,
46.5449

147.6491,
164.8309, 180.8790

25.0221, 29.2782,
32.3242

183.1350,
203.6160, 223.3218

16.2223, 19.2914,
21.3424

223.8947,
248.0527, 271.9332

9.7735, 11.8810,
13.1808

270.2934,
298.5254, 327.1317

5.3101, 6.6627,
7.4210

322.6966,

2.4670, 3.2521,

355.4185, 389.3359

3.6443

381.4696,
419.1164, 458.9643

■ 0.8786, 1.2647,
1.4323

■ 0.0000, 0.1136,
0.1667

■ 69.1802, 78.5414,
86.3767

■ 69.1802, 78.5414,
86.3767

■ 62.5820, 75.2130,
82.8649

■ 76.7788, 82.3880,
90.0211

■ 56.9335, 72.3702,
79.4777

■ 85.4124, 86.7642,
93.7952

■ 52.1895, 69.9919,
76.2141

■ 87.4573, 87.7419,
97.3447

■ 48.2983, 68.0514,
73.0710

■ 88.1352, 88.0131,
100.9144

■ 45.2033, 66.5196,
70.0452

■ 88.8293, 88.2907,
104.5696

■ 42.8405, 65.3636,
67.1330

■ 89.2869, 88.4738,
106.9790

■ 41.1361, 64.5452,
64.3303

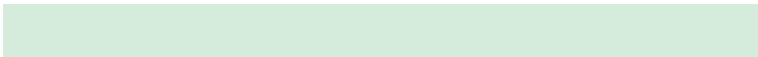
■ 40.0005, 64.0183,
61.6323

■ 39.4818, 63.7877,
59.9459

Harmonies

Analogous

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



69.7543, 78.5414, 78.4306



69.1802, 78.5414, 86.3767



70.0402, 78.5414, 94.5967

Triad

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



69.1802, 78.5414, 86.3767



77.7573, 78.5414, 99.7270



77.2268, 78.5414, 71.9622

Complementary

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



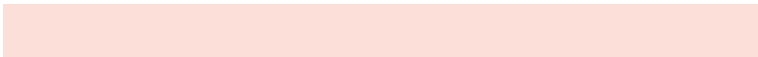
69.1802, 78.5414, 86.3767



67.8206, 65.6738, 70.0781

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.



79.4604, 78.5414, 77.0400



69.1802, 78.5414, 86.3767



79.7722, 78.5414, 93.0204

Square

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



69.1802, 78.5414, 86.3767



74.9504, 78.5414, 102.6134



80.4034, 78.5414, 84.6655



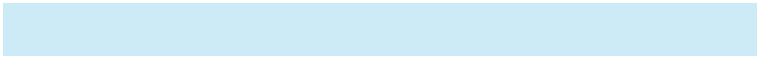
74.3529, 78.5414, 70.4357

Rectangle

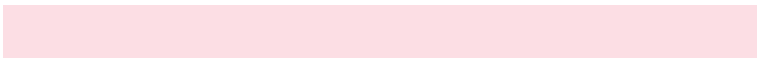
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



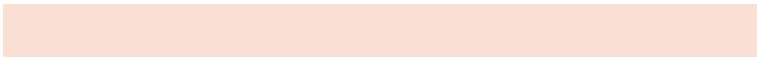
69.1802, 78.5414, 86.3767



71.3245, 78.5414, 99.0321



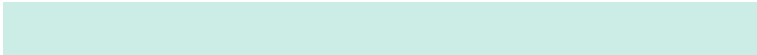
80.4034, 78.5414, 84.6655



78.0799, 78.5414, 73.2933

Sweetspot

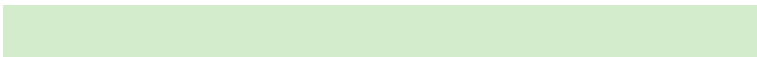
The Sweet Spot groups the original color and five complimentary colors.



69.1824, 78.5447, 86.3784



91.0899, 97.9939, 107.1146



67.5893, 78.1143, 68.6433



19.3424, 20.8964, 22.8557



0.0000, 0.0000, 0.0000



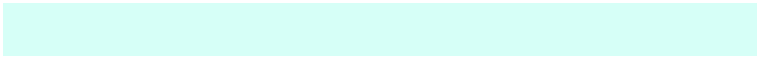
20.3446, 21.4041, 23.3091

Same Dimension

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



69.1824, 78.5447, 86.3784



80.3920, 92.5831, 101.9095



67.3498, 73.5068, 89.9992



15.3894, 17.0706, 18.7336



21.8074, 35.1774, 33.2803



1.7437, 2.7748, 2.7780

Inverse Universe

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



67.8206, 65.6738, 70.0781



78.5024, 74.7205, 79.2893



69.4392, 70.0858, 66.9961



15.1809, 15.1002, 16.2379



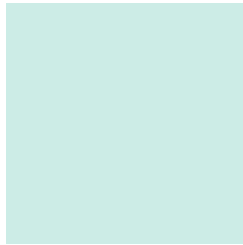
19.3560, 9.9451, 2.4100



1.5523, 0.7939, 0.3599

Previews

White Background



This preview shows how the XYZ color 69.1802, 78.5414, 86.3767 looks on a white background.

Color Contrast Check

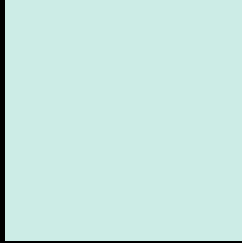
Large Text (above 18pt) WCAG AA × Fail

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 69.1802, 78.5414, 86.3767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

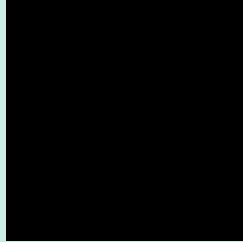
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

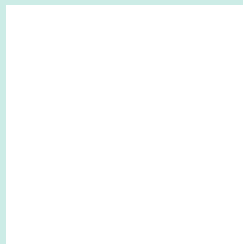
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.1802, 78.5414, 86.3767

Background



This preview shows how black text looks on a background with the XYZ color 69.1802, 78.5414, 86.3767.

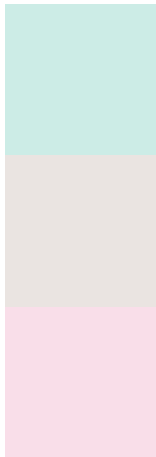


This preview shows how white text looks on a background with the XYZ color 69.1802, 78.5414,

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

69.1802, 78.5414, 86.3767

Protanopia

75.2657, 78.4155, 82.4029

Deuteranopia

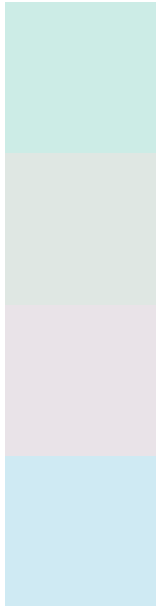
79.8962, 78.2655, 87.9866



Tritanopia

72.5639, 78.6528, 102.6238

Trichromacy



Original Color

69.1802, 78.5414, 86.3767

Protanomaly

72.8725, 78.3859, 83.9622

Deuteranomaly

75.6388, 78.0880, 87.4298

Tritanomaly

71.3326, 78.5821, 96.2023

Monochromacy



Original Color

69.1802, 78.5414, 86.3767

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.0754, 77.0451, 83.7982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.1802, 78.5414, 86.3767 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(204, 236, 230)` looks like.

```
.text, #text, p{  
    color:rgb(204, 236, 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(204, 236, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 236, 230) }
```

Border

The CSS property to change the border of an element to XYZ 69.1802, 78.5414, 86.3767 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(204, 236, 230) }
```


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

```
.border{ border-color:rgb(204, 236, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 236, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 236, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 236, 230);  
box-shadow:4px 4px 4px 4px rgb(204, 236,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 69.1802, 78.5414, 86.3767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 236, 230) }
```

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

```
.background{ background-color: rgb(204,  
236, 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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