

Converting Colors

XYZ(67.1308, 77.0434, 80.8192)

Have a look what the booklet for
XYZ(67.1308, 77.0434, 80.8192)
contains.

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Color

**XYZ(67.3847, 77.3009,
81.1811)**

Conversions

Conversions Part 1

Format	Color
Hex	CAEBDF
RGB	202, 235, 223
RGB Percent	79%, 92%, 87%
CMY	0.2078, 0.0784, 0.1255
CMYK	0.14, 0.00, 0.05, 0.08
HSL	158°, 45%, 86%
HSV	158°, 14%, 92%
XYZ	67.3847, 77.3009, 81.1811
YIQ	223.7650, -15.8160, -10.7280

Conversions

Conversions Part 2

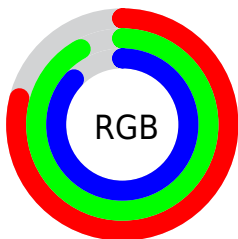
Format	Color
RYB	202, 222, 235
Decimal	13298655
CIELab	90.46, -13.04, 2.20
CIELCh	90, 13.224, 170.436
Yxy	77.3009, 0.2983, 0.3422
Android (android.graphics.Color)	4291488735 (0xFFCAEBDF)
YUV	223.7650, -0.3771, -19.0879
Hunter-Lab	87.9209, -17.0550, 6.7997

Details

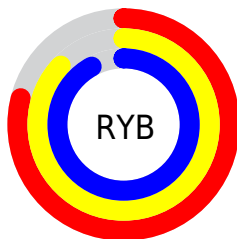
The XYZ color **67.3847, 77.3009, 81.1811** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.5218, 64.7602, 72.5628**, and the grayscale version is **70.6962, 74.3779, 80.9976**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.4007, 41.3633, 43.1639** is the 20% darker color. If you saturate the color by 10%, you get **60.3809, 73.8222, 74.9899**, and if you desaturate by 10%, it is **75.4194, 81.3085, 87.7275**.

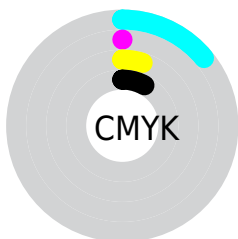
Distribution



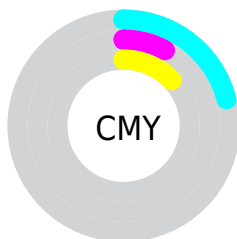
- Red (79%)
- Green (92%)
- Blue (87%)



- Red (79%)
- Yellow (87%)
- Blue (92%)



- Cyan (14%)
- Magenta (0%)
- Yellow (5%)
- Black (8%)



- Cyan (21%)
- Magenta (8%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.3847, 77.3009, 81.1811 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 67.3847, 77.3009, 81.1811 by changing the saturation by 10% instead.

67.3847, 77.3009,
81.1811

67.3847, 77.3009,
81.1811

440.7239,
485.7893, 518.7157

49.6692, 57.4999,
60.1589

114.5182,
129.5641, 136.8514

35.3673, 41.4067,
43.1206

144.6669,
162.7951, 172.3365

24.1138, 28.6370,
29.6476

179.6908,
201.2716, 213.4798

15.5433, 18.8064,
19.3215

219.9550,
245.3779, 260.6996

9.2903, 11.5305,
11.7237

265.8251,
295.4984, 314.4146

4.9897, 6.4248,
6.4356

317.6664,

2.2759, 3.1051,

352.0176, 375.0432

3.0387

375.8442,
415.3197, 443.0041

■ 0.7823, 1.1868,
1.1144

■ 0.0000, 0.0509,
0.0000

■ 67.3847, 77.3009,
81.1811

■ 67.3847, 77.3009,
81.1811

■ 60.3809, 73.8222,
74.9899

■ 75.4194, 81.3085,
87.7275

■ 54.3568, 70.8399,
69.1422

■ 84.5201, 85.8568,
94.6302

■ 49.2669, 68.3326,
63.6330

■ 87.9930, 87.4968,
101.5818

■ 45.0591, 66.2737,
58.4552

■ 88.9998, 87.8995,
106.8833

■ 41.6762, 64.6336,
53.6014

■ 39.0536, 63.3794,
49.0636

■ 37.1170, 62.4726,
44.8334

■ 35.7758, 61.8669,
40.9014

■ 35.1773, 61.6066,
38.6951

Harmonies

Analogous

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



68.6832, 77.3009, 73.1040



67.3847, 77.3009, 81.1811



67.6792, 77.3009, 90.6807

Triad

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



67.3847, 77.3009, 81.1811



75.7125, 77.3009, 102.3912



77.5928, 77.3009, 70.9076

Complementary

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



67.3847, 77.3009, 81.1811



67.5218, 64.7602, 72.5628

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.



79.5867, 77.3009, 77.9740



67.3847, 77.3009, 81.1811



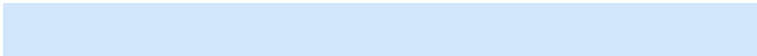
78.4787, 77.3009, 96.2945

Square

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



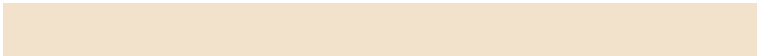
67.3847, 77.3009, 81.1811



72.4219, 77.3009, 103.4113



79.9157, 77.3009, 87.2263



74.5326, 77.3009, 67.4728

Rectangle

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



67.3847, 77.3009, 81.1811



68.7427, 77.3009, 96.5268



79.9157, 77.3009, 87.2263



78.4138, 77.3009, 72.9110

Sweetspot

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



67.3869, 77.3041, 81.1828



90.8048, 97.8799, 105.6137



68.1323, 77.9955, 67.3419



19.2701, 20.8675, 22.4750



0.0000, 0.0000, 0.0000



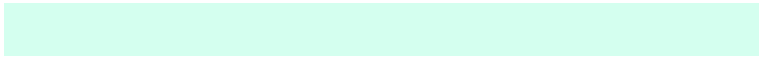
20.3446, 21.4041, 23.3091

Same Dimension

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



67.3869, 77.3041, 81.1828



78.4251, 91.7109, 95.4110



67.8191, 75.4860, 89.5969



15.2717, 17.0235, 18.1137



19.6402, 34.3106, 21.8682



1.5881, 2.7126, 1.9588

Inverse Universe

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



67.5218, 64.7602, 72.5628



78.6188, 73.7412, 83.0645



67.0917, 66.2639, 65.1323



15.2919, 15.1446, 16.8224



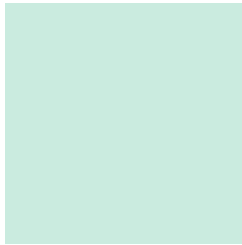
20.0467, 10.2214, 6.0471



1.6189, 0.8205, 0.7107

Previews

White Background



This preview shows how the XYZ color 67.3847, 77.3009, 81.1811 looks on a white background.

Color Contrast Check

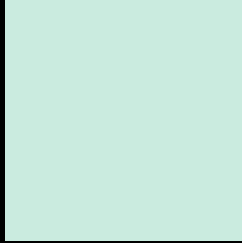
Large Text (above 18pt) WCAG AA × Fail

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 67.3847, 77.3009, 81.1811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

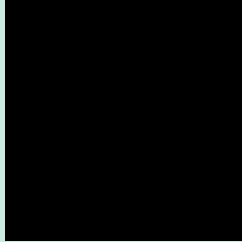
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

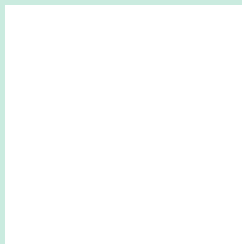
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.3847, 77.3009, 81.1811

Background



This preview shows how black text looks on a background with the XYZ color 67.3847, 77.3009, 81.1811.

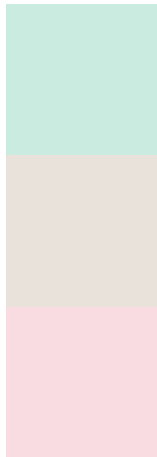


This preview shows how white text looks on a background with the XYZ color 67.3847, 77.3009, 81.1811.

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

67.3847, 77.3009, 81.1811

Protanopia

73.4555, 76.7783, 77.2778

Deuteranopia

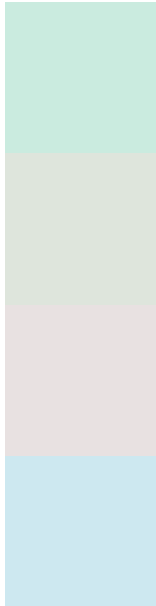
78.3876, 76.8171, 82.6472



Tritanopia

71.4069, 77.2568, 100.7710

Trichromacy



Original Color

67.3847, 77.3009, 81.1811

Protanomaly

71.0618, 76.7355, 78.7762

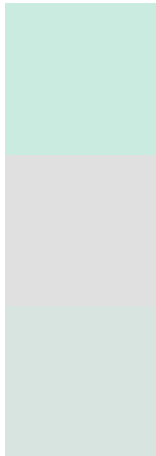
Deuteranomaly

73.7945, 76.4425, 82.0996

Tritanomaly

69.7616, 76.9836, 93.6206

Monochromacy



Original Color

67.3847, 77.3009, 81.1811

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.5169, 75.4676, 81.4238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.3847, 77.3009, 81.1811 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(202, 235, 223)` looks like.

```
.text, #text, p{  
    color:rgb(202, 235, 223)  
}
```

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(202, 235, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 235, 223) }
```

Border

The CSS property to change the border of an element to XYZ 67.3847, 77.3009, 81.1811 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(202, 235, 223) }
```


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

```
.border{ border-color:rgb(202, 235, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 235, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 235, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 235, 223);  
box-shadow:4px 4px 4px 4px rgb(202, 235,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 67.3847, 77.3009, 81.1811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 235, 223) }
```

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

```
.background{ background-color: rgb(202,  
235, 223) }
```

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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