

Converting Colors

XYZ(67.3610, 86.6995, 63.6093)

Have a look what the booklet for
XYZ(67.3610, 86.6995, 63.6093)
contains.

XYZ(67.3780, 86.7077, 63.6371)	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(67.3780, 86.7077,
63.6371)**

Conversions

Conversions Part 1

Format	Color
Hex	C1FFC1
RGB	193, 255, 193
RGB Percent	76%, 100%, 76%
CMY	0.2431, 0.0000, 0.2431
CMYK	0.24, 0.00, 0.24, 0.00
HSL	120°, 100%, 88%
HSV	120°, 24%, 100%
XYZ	67.3780, 86.7077, 63.6371
YIQ	229.3940, -17.0500, -32.4260

Conversions

Conversions Part 2

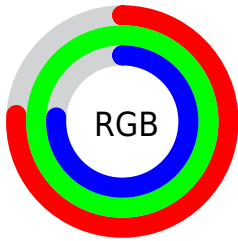
Format	Color
RYB	193, 255, 255
Decimal	12713921
CIELab	94.61, -30.96, 23.50
CIELCh	95, 38.868, 142.804
Yxy	86.7077, 0.3095, 0.3982
Android (android.graphics.Color)	4290904001 (0xFFC1FFC1)
YUV	229.3940, -17.9422, -31.9175
Hunter-Lab	93.1170, -33.7949, 24.6625

Details

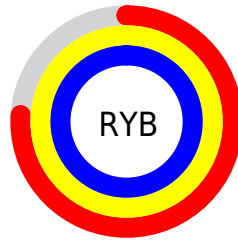
The XYZ color **67.3780, 86.7077, 63.6371** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.3602, 66.6206, 103.3362**, and the grayscale version is **74.9031, 78.8039, 85.8174**.

A 20% lighter version of the original color is **92.4397, 98.7461, 104.6303**, and **35.3355, 47.6555, 31.7622** is the 20% darker color. If you saturate the color by 10%, you get **58.8241, 82.5989, 49.6460**, and if you desaturate by 10%, it is **77.5444, 91.5912, 80.2664**.

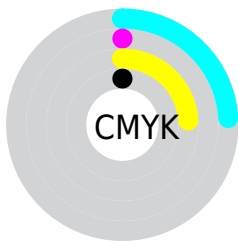
Distribution



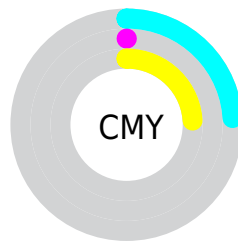
- Red (76%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.3780, 86.7077, 63.6371 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 67.3780, 86.7077, 63.6371 by changing the saturation by 10% instead.


 67.3780, 86.7077,
63.6371

 67.3780, 86.7077,
63.6371


440.7004,
517.2619, 456.0494

 49.6637, 65.2533,
45.9125

 114.5087,
142.7567, 111.6826

 35.3630, 47.6665,
31.8286


144.6558,
178.1200, 142.8405

 24.1104, 33.5629,
20.9669

179.6779,
218.8886, 179.3134

 15.5407, 22.5580,
12.9088

219.9403,
265.4466, 221.5196

 9.2885, 14.2675,
7.2358

265.8084,
318.1785, 269.8778

 4.9885, 8.3069,
3.5293

317.6476,

 2.2752, 4.2920,

377.4688, 324.8064

1.3709

375.8231,
443.7018, 386.7241

■ 0.7819, 1.8382,
0.1188

■ 0.0000, 0.5108,
0.0000

■ 67.3780, 86.7077,
63.6371

■ 67.3780, 86.7077,
63.6371

■ 58.8241, 82.5989,
49.6460

■ 77.5444, 91.5912,
80.2664

■ 51.7983, 79.2240,
38.1540

■ 89.3982, 97.2851,
99.6554

■ 46.2111, 76.5402,
29.0150

■ 95.0500, 100.0000,
108.9000

■ 41.9630, 74.4996,
22.0664

■ 38.9421, 73.0485,
17.1252

■ 37.0182, 72.1244,
13.9782

■ 36.0317, 71.6505,
12.3645

■ 35.7600, 71.5200,
11.9201

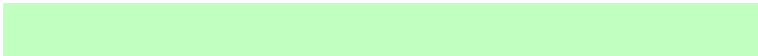
Harmonies

Analogous

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



74.8455, 86.7077, 50.5699



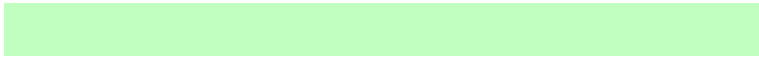
67.3780, 86.7077, 63.6371



63.9904, 86.7077, 87.3627

Triad

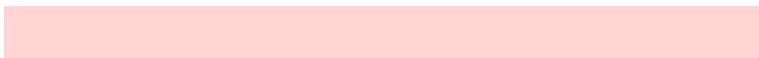
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.3780, 86.7077, 63.6371



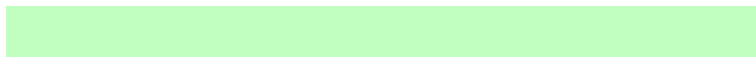
79.9142, 86.7077, 164.0379



102.4239, 86.7077, 73.7581

Complementary

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



67.3780, 86.7077, 63.6371



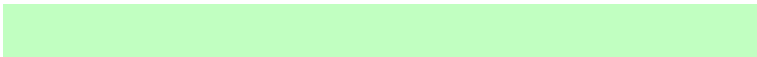
78.3602, 66.6206, 103.3362

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.



104.0703, 86.7077, 101.8263



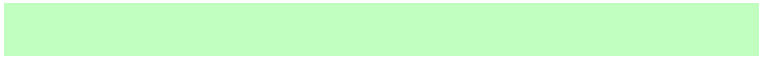
67.3780, 86.7077, 63.6371



90.4743, 86.7077, 158.2435

Square

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



67.3780, 86.7077, 63.6371



70.8191, 86.7077, 148.2591



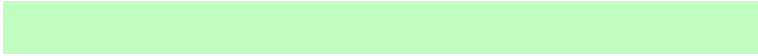
99.5333, 86.7077, 133.7815



95.2080, 86.7077, 55.4901

Rectangle

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



67.3780, 86.7077, 63.6371



64.2801, 86.7077, 107.7891



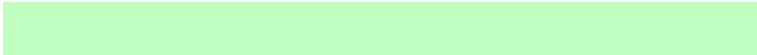
99.5333, 86.7077, 133.7815



103.6707, 86.7077, 82.1864

Sweetspot

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



67.3786, 86.7080, 63.6385



86.0432, 95.6736, 94.1677



86.6258, 96.6303, 64.5388



18.2592, 20.4024, 19.8980



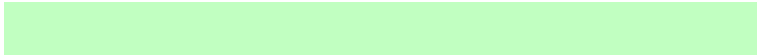
0.0000, 0.0000, 0.0000



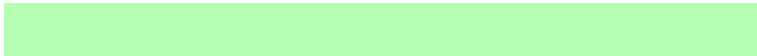
20.3446, 21.4041, 23.3091

Same Dimension

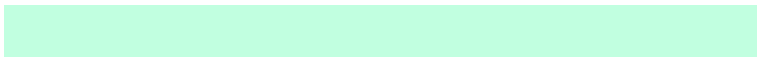
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.3786, 86.7080, 63.6385



63.1735, 84.6881, 56.7602



71.2074, 88.2395, 83.8005



17.7717, 20.1682, 19.1006



18.6854, 37.3707, 6.2285



1.8193, 3.6387, 0.6065

Inverse Universe

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



78.3602, 66.6206, 103.3362



75.8239, 61.5480, 102.4907



73.7650, 64.7825, 79.1380



18.7928, 18.3004, 22.7918



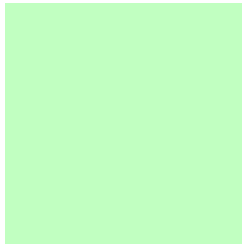
30.9801, 14.8813, 50.6730



3.0164, 1.4489, 4.9339

Previews

White Background



This preview shows how the XYZ color 67.3780, 86.7077, 63.6371 looks on a white background.

Color Contrast Check

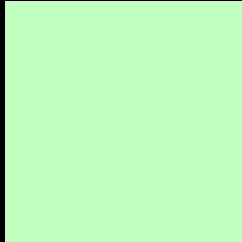
Large Text (above 18pt) WCAG AA × Fail

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 67.3780, 86.7077, 63.6371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

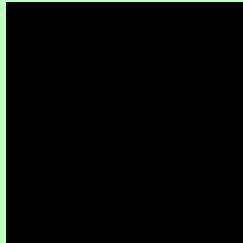
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

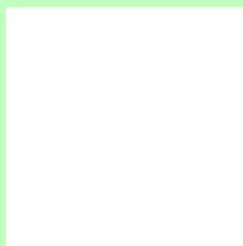
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.3780, 86.7077, 63.6371

Background



This preview shows how black text looks on a background with the XYZ color 67.3780, 86.7077, 63.6371.



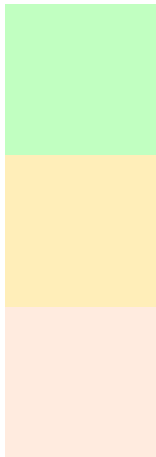
This preview shows how white text looks on a background with the XYZ color 67.3780, 86.7077,

63.6371.

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

67.3780, 86.7077, 63.6371

Protanopia

80.5715, 85.9119, 58.2350

Deuteranopia

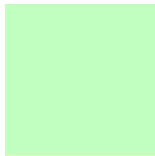
84.2676, 86.0044, 81.9712



Tritanopia

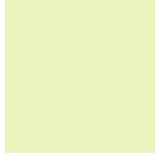
79.6158, 86.5368, 107.1148

Trichromacy



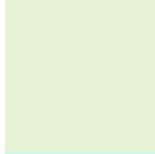
Original Color

67.3780, 86.7077, 63.6371



Protanomaly

74.7065, 85.4880, 60.1403



Deuteranomaly

76.9145, 85.4135, 74.7200



Tritanomaly

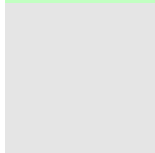
74.4046, 86.0494, 89.0316

Monochromacy



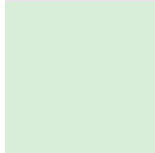
Original Color

67.3780, 86.7077, 63.6371



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.2881, 80.7059, 76.7863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.3780, 86.7077, 63.6371 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(193, 255, 193)` looks like.

```
.text, #text, p{  
    color:rgb(193, 255, 193)  
}
```

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(193, 255, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 255, 193) }
```

Border

The CSS property to change the border of an element to XYZ 67.3780, 86.7077, 63.6371 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(193, 255, 193) }
```


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

```
.border{ border-color:rgb(193, 255, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 255, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 255, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 255, 193);  
box-shadow:4px 4px 4px 4px rgb(193, 255,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 67.3780, 86.7077, 63.6371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 255, 193) }
```

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

```
.background{ background-color: rgb(193,  
255, 193) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor