

Converting Colors

XYZ(67.3047, 83.8747, 83.8763)

Have a look what the booklet for
XYZ(67.3047, 83.8747, 83.8763)
contains.

XYZ(67.3047, 83.8747, 83.8763)	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(67.3047, 83.8747,
83.8763)**

Conversions

Conversions Part 1

Format	Color
Hex	B7FAE1
RGB	183, 250, 225
RGB Percent	72%, 98%, 88%
CMY	0.2823, 0.0196, 0.1176
CMYK	0.27, 0.00, 0.10, 0.02
HSL	158°, 87%, 85%
HSV	158°, 27%, 98%
XYZ	67.3047, 83.8747, 83.8763
YIQ	227.1170, -31.9070, -21.9790

Conversions

Conversions Part 2

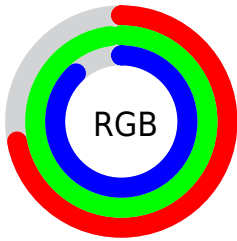
Format	Color
RYB	183, 224, 250
Decimal	12057313
CIELab	93.40, -25.87, 5.27
CIELCh	93, 26.405, 168.478
Yxy	83.8747, 0.2863, 0.3568
Android (android.graphics.Color)	4290247393 (0xFFB7FAE1)
YUV	227.1170, -1.0437, -38.6906
Hunter-Lab	91.5831, -29.0903, 9.8075

Details

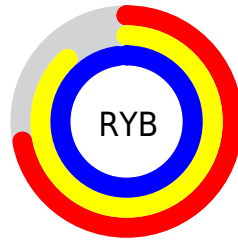
The XYZ color **67.3047, 83.8747, 83.8763** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.7460, 58.7473, 67.4469**, and the grayscale version is **73.1247, 76.9328, 83.7799**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **35.2278, 45.6314, 44.9813** is the 20% darker color. If you saturate the color by 10%, you get **60.6405, 80.5845, 77.1023**, and if you desaturate by 10%, it is **75.0993, 87.7441, 91.0698**.

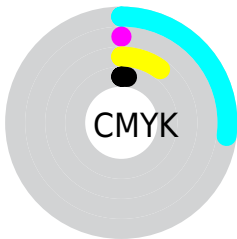
Distribution



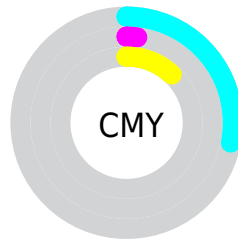
- Red (72%)
- Green (98%)
- Blue (88%)



- Red (72%)
- Yellow (88%)
- Blue (98%)



- Cyan (27%)
- Magenta (0%)
- Yellow (10%)
- Black (2%)





- Cyan (28%)
- Magenta (2%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.3047, 83.8747, 83.8763 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 67.3047, 83.8747, 83.8763 by changing the saturation by 10% instead.


 67.3047, 83.8747,
83.8763

 67.3047, 83.8747,
83.8763


440.4440,
507.8971, 527.9497

 49.6039, 62.9120,
62.3685


 114.4043,
138.7999, 140.6623

 35.3153, 45.7700,
44.8928


144.5338,
173.5312, 176.7776

 24.0735, 32.0644,
31.0307


179.5369,
213.6207, 218.5992

 15.5132, 21.4107,
20.3636

219.7790,
259.4530, 266.5455

 9.2690, 13.4245,
12.4729

265.6254,
311.4124, 321.0352

 4.9756, 7.7215,
6.9402


317.4414,

 2.2675, 3.9173,


369.8833, 382.4868


3.3468


375.5925,
435.2500, 451.3187


 0.7780, 1.6274,
1.2743


 0.0000, 0.3760,
0.0406


 67.3047, 83.8747,
83.8763

 67.3047, 83.8747,
83.8763


 60.6405, 80.5845,
77.1023


 75.0993, 87.7441,
91.0698


 55.0426, 77.8338,
70.7338

 84.0702, 92.2095,
98.6852

 50.4512, 75.5943,
64.7638

 93.1551, 96.7254,
106.6801

 46.7976, 73.8305,
59.1832

 93.4771, 96.8542,
108.3757

■ 44.0037, 72.5024,
53.9819

■ 41.9782, 71.5631,
49.1495

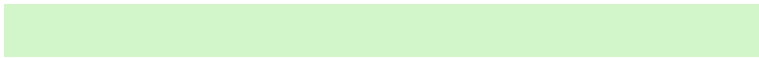
■ 40.6059, 70.9533,
44.6740

■ 40.2483, 70.7987,
43.3136

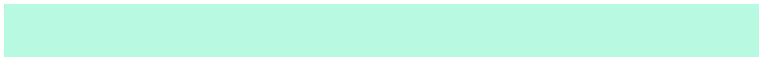
Harmonies

Analogous

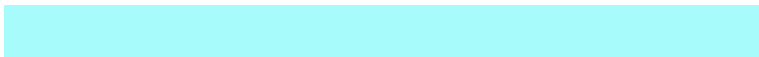
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.1080, 83.8747, 68.1861



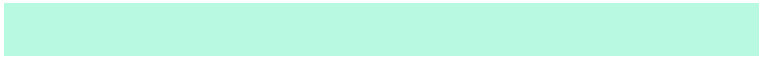
67.3047, 83.8747, 83.8763



67.6811, 83.8747, 104.0288

Triad

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



67.3047, 83.8747, 83.8763



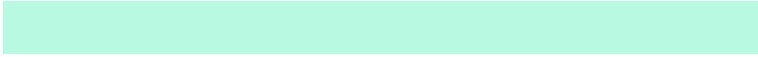
84.0407, 83.8747, 132.7467



88.9320, 83.8747, 65.5137

Complementary

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



67.3047, 83.8747, 83.8763



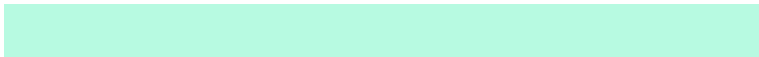
67.7460, 58.7473, 67.4469

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.



93.1089, 83.8747, 79.7005



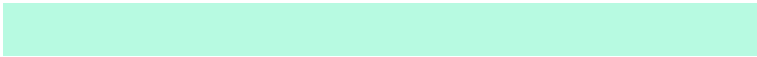
67.3047, 83.8747, 83.8763



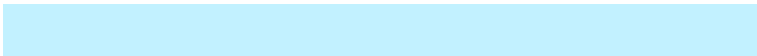
90.1736, 83.8747, 119.1837

Square

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



67.3047, 83.8747, 83.8763



77.0751, 83.8747, 134.2982



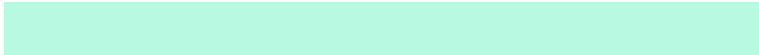
93.5761, 83.8747, 99.2027



82.4255, 83.8747, 58.6628

Rectangle

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



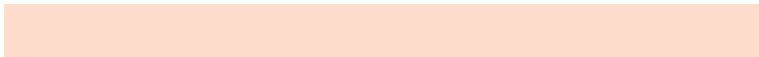
67.3047, 83.8747, 83.8763



69.6890, 83.8747, 117.3293



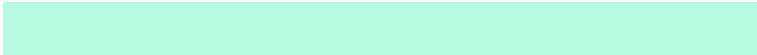
93.5761, 83.8747, 99.2027



90.6709, 83.8747, 69.4788

Sweetspot

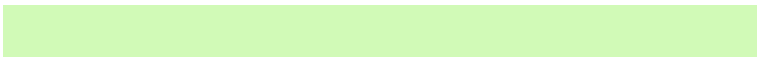
The Sweet Spot groups the original color and five complimentary colors.



67.3070, 83.8782, 83.8782



86.7374, 95.8535, 102.2395



68.9406, 85.3029, 57.6328



18.2505, 20.3597, 21.6223



0.0000, 0.0000, 0.0000



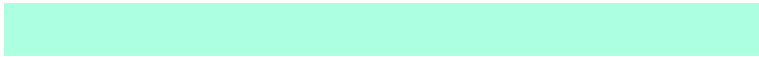
20.3446, 21.4041, 23.3091

Same Dimension

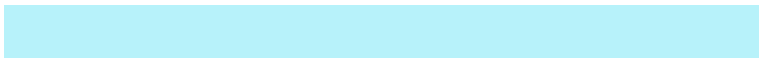
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.3070, 83.8782, 83.8782



66.6114, 85.8616, 83.9747



68.5932, 80.5862, 102.3859



17.4751, 19.4923, 20.7022



21.4200, 37.5810, 23.3530



2.0352, 3.5012, 2.4330

Inverse Universe

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



67.7460, 58.7473, 67.4469



67.1415, 55.6532, 64.2360



66.5651, 60.9269, 53.0529



17.5125, 17.3323, 19.2884



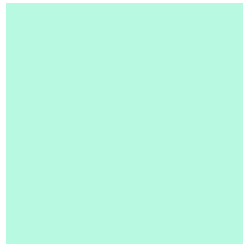
22.0306, 11.2280, 6.8696



2.0898, 1.0597, 0.8965

Previews

White Background



This preview shows how the XYZ color 67.3047, 83.8747, 83.8763 looks on a white background.

Color Contrast Check

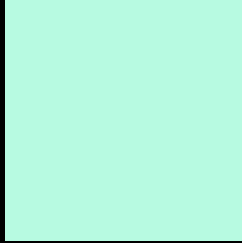
Large Text (above 18pt) WCAG AA × Fail

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 67.3047, 83.8747, 83.8763 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

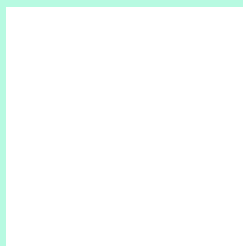
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.3047, 83.8747, 83.8763

Background



This preview shows how black text looks on a background with the XYZ color 67.3047, 83.8747, 83.8763.



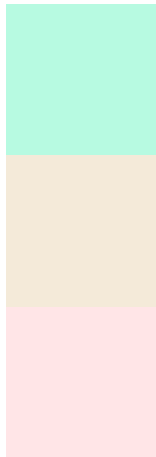
This preview shows how white text looks on a background with the XYZ color 67.3047, 83.8747,

83.8763.

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

67.3047, 83.8747, 83.8763

Protanopia

79.2554, 83.0885, 77.5061

Deuteranopia

83.6831, 83.0681, 87.2245



Tritanopia

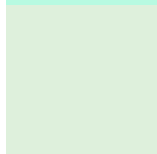
75.2374, 83.3960, 106.7393

Trichromacy



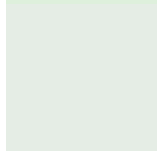
Original Color

67.3047, 83.8747, 83.8763



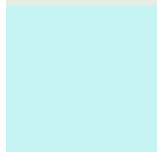
Protanomaly

74.2026, 83.0171, 79.8232



Deuteranomaly

76.7401, 82.8835, 86.0822



Tritanomaly

71.9685, 83.2388, 97.8615

Monochromacy



Original Color

67.3047, 83.8747, 83.8763



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

70.2998, 78.7565, 83.4478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.3047, 83.8747, 83.8763 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(183, 250, 225)` looks like.

```
.text, #text, p{  
    color:rgb(183, 250, 225)  
}
```

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(183, 250, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 250, 225) }
```

Border

The CSS property to change the border of an element to XYZ 67.3047, 83.8747, 83.8763 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(183, 250, 225) }
```


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

```
.border{ border-color:rgb(183, 250, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 250, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 250, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 250, 225);  
box-shadow:4px 4px 4px 4px rgb(183, 250,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 67.3047, 83.8747, 83.8763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 250, 225) }
```

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

```
.background{ background-color: rgb(183,  
250, 225) }
```

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