

Converting Colors

XYZ(67.5044, 80.7077, 87.8451)

Have a look what the booklet for
XYZ(67.5044, 80.7077, 87.8451)
contains.

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Color

**XYZ(67.4607, 80.6895,
87.6204)**

Conversions

Conversions Part 1

Format	Color
Hex	BDF3E7
RGB	189, 243, 231
RGB Percent	74%, 95%, 91%
CMY	0.2588, 0.0470, 0.0941
CMYK	0.22, 0.00, 0.05, 0.05
HSL	167°, 69%, 85%
HSV	167°, 22%, 95%
XYZ	67.4607, 80.6895, 87.6204
YIQ	225.4860, -28.3320, -15.1800

Conversions

Conversions Part 2

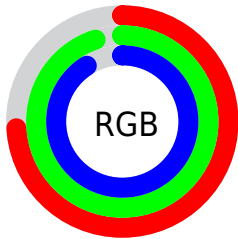
Format	Color
R_{YB}	189, 219, 243
Decimal	12448743
CIE _{Lab}	91.99, -19.48, 0.17
CIE _{LCh}	92, 19.483, 179.508
Yxy	80.6895, 0.2861, 0.3422
Android (android.graphics.Color)	4290638823 (0xFFBDF3E7)
YUV	225.4860, 2.7184, -31.9982
Hunter-Lab	89.8273, -23.1436, 5.0458

Details

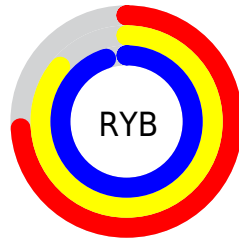
The XYZ color **67.4607, 80.6895, 87.6204** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.7052, 59.6692, 63.3161**, and the grayscale version is **71.9153, 75.6605, 82.3943**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **35.4999, 43.7867, 47.1381** is the 20% darker color. If you saturate the color by 10%, you get **61.1799, 77.5406, 83.4068**, and if you desaturate by 10%, it is **74.7796, 84.3751, 92.0090**.

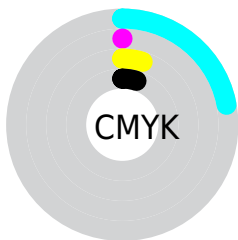
Distribution



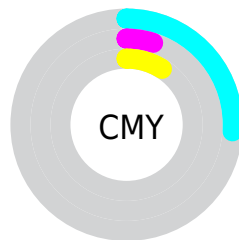
- Red (74%)
- Green (95%)
- Blue (91%)



- Red (74%)
- Yellow (86%)
- Blue (95%)



- Cyan (22%)
- Magenta (0%)
- Yellow (5%)
- Black (5%)




- Cyan (26%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.4607, 80.6895, 87.6204 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 67.4607, 80.6895, 87.6204 by changing the saturation by 10% instead.


 67.4607, 80.6895,
87.6204

 67.4607, 80.6895,
87.6204


440.9896,
497.2535, 540.6284

 49.7312, 60.2859,
65.4462

 114.6265,
134.3347, 145.9350

 35.4168, 43.6491,
47.3693


144.7934,
168.3451, 182.9126

 24.1521, 30.3948,
32.9713


179.8369,
207.6599, 225.6616

 15.5718, 20.1384,
21.8335

220.1223,
252.6635, 274.6007

 9.3106, 12.4957,
13.5375

266.0149,
303.7402, 330.1484

 5.0031, 7.0822,
7.6646


317.8800,


 2.2838, 3.5136,


361.2745, 392.7232


3.7964


376.0832,
425.6508, 462.7437


 0.7864, 1.4054,
1.5143


 0.0000, 0.2207,
0.2286


 67.4607, 80.6895,
87.6204


 67.4607, 80.6895,
87.6204


 61.1799, 77.5406,
83.4068

 74.7796, 84.3751,
92.0090


 55.8797, 74.8923,
79.3591

 83.1766, 88.6117,
96.5702

 51.5077, 72.7199,
75.4756

 90.1123, 92.0921,
101.1882

 48.0036, 70.9922,
71.7523

 90.9590, 92.4309,
105.6473

■ 45.2998, 69.6745,
68.1849

■ 91.3420, 92.5840,
107.6640

■ 43.3184, 68.7267,
64.7687

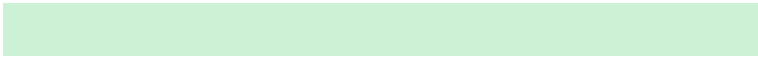
■ 41.9658, 68.1004,
61.4979

■ 41.2365, 67.7778,
59.0488

Harmonies

Analogous

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



68.6905, 80.6895, 74.5925



67.4607, 80.6895, 87.6204



68.6136, 80.6895, 102.1534

Triad

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



67.4607, 80.6895, 87.6204



81.5346, 80.6895, 114.1116



81.6840, 80.6895, 66.1703

Complementary

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



67.4607, 80.6895, 87.6204



65.7052, 59.6692, 63.3161

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.



85.3828, 80.6895, 74.9611



67.4607, 80.6895, 87.6204



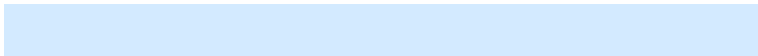
85.2940, 80.6895, 102.6079

Square

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



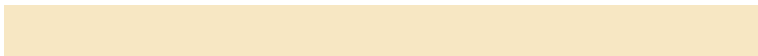
67.4607, 80.6895, 87.6204



76.6102, 80.6895, 118.4221



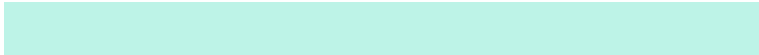
86.7313, 80.6895, 88.0943



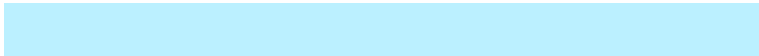
76.7757, 80.6895, 63.0635

Rectangle

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



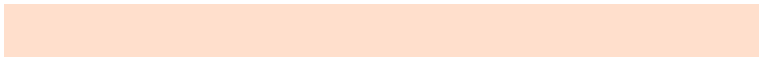
67.4607, 80.6895, 87.6204



70.6082, 80.6895, 110.5446



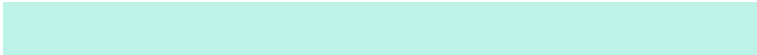
86.7313, 80.6895, 88.0943



83.1177, 80.6895, 68.5078

Sweetspot

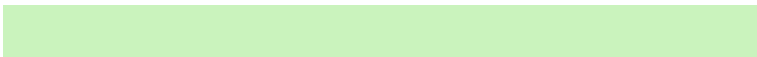
The Sweet Spot groups the original color and five complimentary colors.



67.4630, 80.6928, 87.6222



88.1529, 96.5174, 105.2772



65.4875, 80.2795, 60.1896



18.7472, 20.5976, 22.4678



0.0000, 0.0000, 0.0000



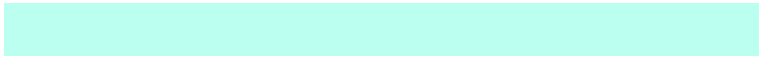
20.3446, 21.4041, 23.3091

Same Dimension

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



67.4630, 80.6928, 87.6222



71.7293, 88.2512, 95.4557



65.0752, 73.1103, 95.4797



16.8298, 18.6911, 20.3882



22.6840, 37.2184, 32.6853



2.0316, 3.2863, 3.0723

Inverse Universe

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



65.7052, 59.6692, 63.3161



69.4265, 60.6795, 63.5914



67.6007, 65.6323, 57.2510



16.6499, 16.5428, 17.9031



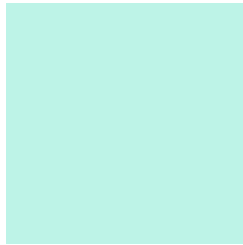
20.6930, 10.6206, 3.0917



1.8558, 0.9483, 0.4672

Previews

White Background



This preview shows how the XYZ color 67.4607, 80.6895, 87.6204 looks on a white background.

Color Contrast Check

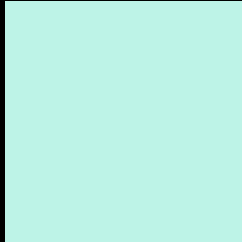
Large Text (above 18pt) WCAG AA × Fail

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 67.4607, 80.6895, 87.6204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

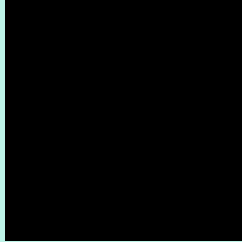
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

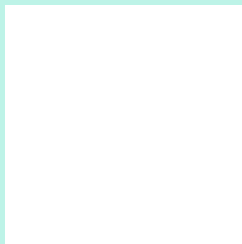
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.4607, 80.6895, 87.6204

Background



This preview shows how black text looks on a background with the XYZ color 67.4607, 80.6895, 87.6204.



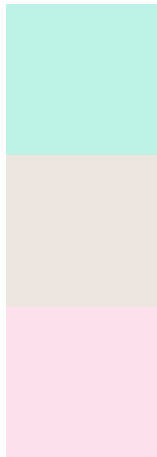
This preview shows how white text looks on a background with the XYZ color 67.4607, 80.6895,

87.6204.

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

67.4607, 80.6895, 87.6204

Protanopia

76.6764, 79.9800, 81.9174

Deuteranopia

81.7959, 80.0049, 89.7286



Tritanopia

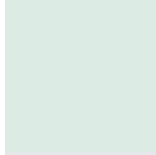
72.1777, 80.5112, 106.3438

Trichromacy



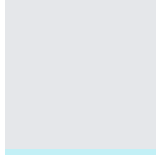
Original Color

67.4607, 80.6895, 87.6204



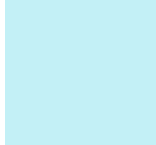
Protanomaly

73.0887, 80.1784, 84.2968



Deuteranomaly

75.7403, 79.7504, 89.2433



Tritanomaly

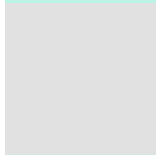
70.3003, 80.5761, 99.0363

Monochromacy



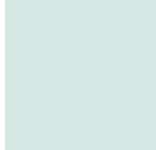
Original Color

67.4607, 80.6895, 87.6204



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

69.8731, 77.2563, 83.9023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.4607, 80.6895, 87.6204 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(189, 243, 231)` looks like.

```
.text, #text, p{  
    color:rgb(189, 243, 231)  
}
```

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(189, 243, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 243, 231) }
```

Border

The CSS property to change the border of an element to XYZ 67.4607, 80.6895, 87.6204 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(189, 243, 231) }
```


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

```
.border{ border-color:rgb(189, 243, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 243, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 243, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 243, 231);  
box-shadow:4px 4px 4px 4px rgb(189, 243,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 67.4607, 80.6895, 87.6204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 243, 231) }
```

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

```
.background{ background-color: rgb(189,  
243, 231) }
```

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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