

Converting Colors

XYZ(66.9159, 81.9044, 83.6353)

Have a look what the booklet for
XYZ(66.9159, 81.9044, 83.6353)
contains.

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Color

**XYZ(66.7961, 81.7869,
83.5001)**

Conversions

Conversions Part 1

Format	Color
Hex	BAF6E1
RGB	186, 246, 225
RGB Percent	73%, 96%, 88%
CMY	0.2706, 0.0353, 0.1176
CMYK	0.24, 0.00, 0.09, 0.04
HSL	159°, 77%, 85%
HSV	159°, 24%, 96%
XYZ	66.7961, 81.7869, 83.5001
YIQ	225.6660, -29.0190, -19.2510

Conversions

Conversions Part 2

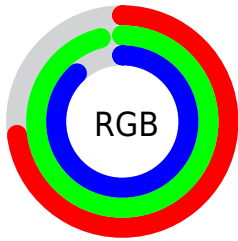
Format	Color
R _Y B	186, 222, 246
Decimal	12252897
CIE Lab	92.48, -23.05, 3.97
CIE LCh	92, 23.392, 170.227
Yxy	81.7869, 0.2878, 0.3524
Android (android.graphics.Color)	4290442977 (0xFFBAF6E1)
YUV	225.6660, -0.3283, -34.7871
Hunter-Lab	90.4361, -26.4231, 8.5625

Details

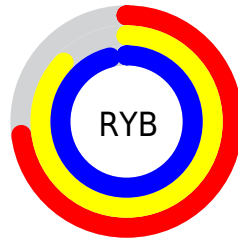
The XYZ color **66.7961, 81.7869, 83.5001** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.8303, 59.2178, 66.9428**, and the grayscale version is **72.0667, 75.8198, 82.5678**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **35.1849, 44.6347, 44.7911** is the 20% darker color. If you saturate the color by 10%, you get **60.1816, 78.5115, 77.2133**, and if you desaturate by 10%, it is **74.5033, 85.6231, 90.1508**.

Distribution



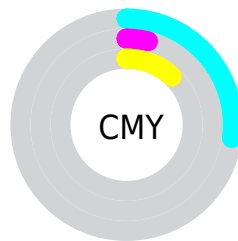
- Red (73%)
- Green (96%)
- Blue (88%)



- Red (73%)
- Yellow (87%)
- Blue (96%)



- Cyan (24%)
- Magenta (0%)
- Yellow (9%)
- Black (4%)



- Cyan (27%)
- Magenta (4%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.7961, 81.7869, 83.5001 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 66.7961, 81.7869, 83.5001 by changing the saturation by 10% instead.

66.7961, 81.7869,
83.5001

66.7961, 81.7869,
83.5001

438.6625,
500.9346, 526.6663

49.1890, 61.1899,
62.0598

113.6796,
135.8751, 140.1312

34.9846, 44.3784,
44.6449

143.6868,
170.1351, 176.1590

23.8175, 30.9681,
30.8369

178.5580,
209.7183, 217.8864

15.3223, 20.5746,
20.2173

218.6586,
255.0089, 265.7320

9.1337, 12.8134,
12.3674

264.3540,
306.3915, 320.1142

4.8863, 7.3002,
6.8689

316.0096,

2.2148, 3.6505,

364.2504, 381.4516

3.3030

373.9906,
428.9699, 450.1628

0.7505, 1.4801,
1.2514

0.0000, 0.2746,
0.0214

66.7961, 81.7869,
83.5001

66.7961, 81.7869,
83.5001

60.1816, 78.5115,
77.2133

74.5033, 85.6231,
90.1508

54.5993, 75.7594,
71.2778

83.3461, 90.0356,
97.1667

49.9934, 73.5038,
65.6883

91.5839, 94.1292,
104.4723

46.2994, 71.7119,
60.4369

92.2473, 94.3945,
107.9658

■ 43.4451, 70.3465,
55.5154

■ 41.3467, 69.3644,
50.9150

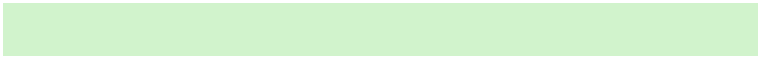
■ 39.9017, 68.7129,
46.6258

■ 39.2932, 68.4489,
44.3502

Harmonies

Analogous

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



69.1095, 81.7869, 69.3412



66.7961, 81.7869, 83.5001



67.2946, 81.7869, 101.1110

Triad

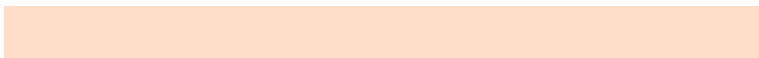
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.7961, 81.7869, 83.5001



81.8399, 81.7869, 124.2273



85.4411, 81.7869, 65.7610

Complementary

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



66.7961, 81.7869, 83.5001



66.8303, 59.2178, 66.9428

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.



89.2051, 81.7869, 77.9921



66.7961, 81.7869, 83.5001



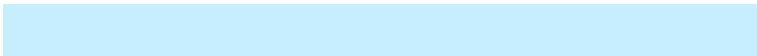
87.0521, 81.7869, 112.1834

Square

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



66.7961, 81.7869, 83.5001



75.7724, 81.7869, 126.2049



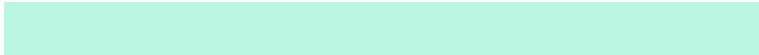
89.8096, 81.7869, 94.8448



79.7332, 81.7869, 60.0160

Rectangle

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



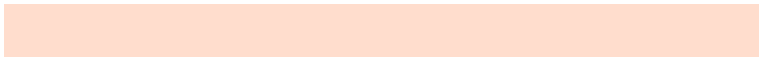
66.7961, 81.7869, 83.5001



69.1645, 81.7869, 112.4204



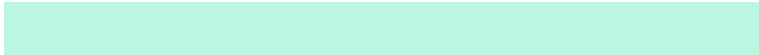
89.8096, 81.7869, 94.8448



86.9880, 81.7869, 69.1695

Sweetspot

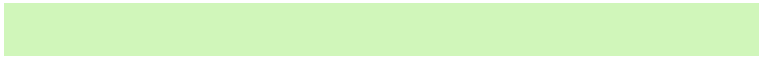
The Sweet Spot groups the original color and five complimentary colors.



66.7984, 81.7903, 83.5019



87.7954, 96.3744, 103.3946



67.8338, 82.8702, 58.8760



18.6642, 20.5644, 22.0311



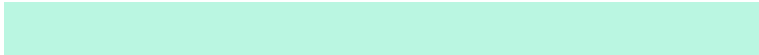
0.0000, 0.0000, 0.0000



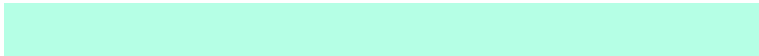
20.3446, 21.4041, 23.3091

Same Dimension

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



66.7984, 81.7903, 83.5019



68.9867, 87.0134, 87.3721



67.4615, 78.2453, 98.7400



16.7360, 18.6535, 19.8940



21.0411, 36.5613, 24.0342



1.8978, 3.2328, 2.3679

Inverse Universe

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



66.8303, 59.2178, 66.9428



69.0286, 58.8299, 66.7070



66.1633, 61.7238, 54.8824



16.7386, 16.5783, 18.3703



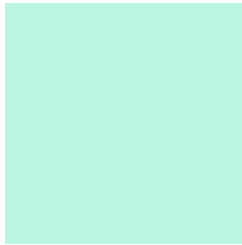
21.2449, 10.8414, 5.9981



1.9140, 0.9716, 0.7735

Previews

White Background



This preview shows how the XYZ color 66.7961, 81.7869, 83.5001 looks on a white background.

Color Contrast Check

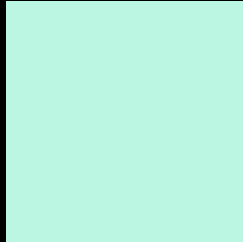
Large Text (above 18pt) WCAG AA × Fail

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 66.7961, 81.7869, 83.5001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

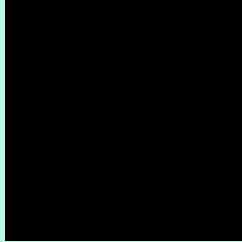
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

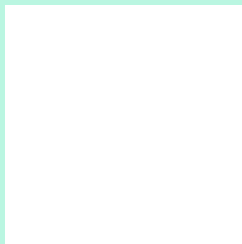
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.7961, 81.7869, 83.5001

Background



This preview shows how black text looks on a background with the XYZ color 66.7961, 81.7869, 83.5001.

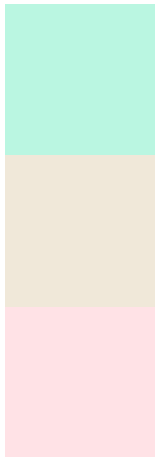


This preview shows how white text looks on a background with the XYZ color 66.7961, 81.7869,

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

66.7961, 81.7869, 83.5001

Protanopia

77.3162, 81.2482, 77.2531

Deuteranopia

82.7193, 81.3659, 86.2083



Tritanopia

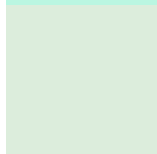
73.2736, 81.5096, 106.4787

Trichromacy



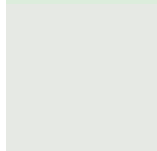
Original Color

66.7961, 81.7869, 83.5001



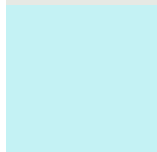
Protanomaly

72.7177, 80.9513, 79.5027



Deuteranomaly

75.7756, 80.7023, 84.9821



Tritanomaly

70.8462, 81.7717, 97.6375

Monochromacy



Original Color

66.7961, 81.7869, 83.5001



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

69.7303, 77.6177, 83.2580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.7961, 81.7869, 83.5001 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(186, 246, 225)` looks like.

```
.text, #text, p{  
    color:rgb(186, 246, 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(186, 246, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 246, 225) }
```

Border

The CSS property to change the border of an element to XYZ 66.7961, 81.7869, 83.5001 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(186, 246, 225) }
```


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

```
.border{ border-color:rgb(186, 246, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 246, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 246, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 246, 225);  
box-shadow:4px 4px 4px 4px rgb(186, 246,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 66.7961, 81.7869, 83.5001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 246, 225) }
```

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

```
.background{ background-color: rgb(186,  
246, 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](#).

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