

Converting Colors

XYZ(65.2797, 83.5637, 66.6651)

Have a look what the booklet for
XYZ(65.2797, 83.5637, 66.6651)
contains.

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Color

**XYZ(65.2995, 83.6827,
66.7436)**

Conversions

Conversions Part 1

Format	Color
Hex	BBFBC7
RGB	187, 251, 199
RGB Percent	73%, 98%, 78%
CMY	0.2667, 0.0157, 0.2196
CMYK	0.25, 0.00, 0.21, 0.02
HSL	131°, 89%, 86%
HSV	131°, 25%, 98%
XYZ	65.2995, 83.6827, 66.7436
YIQ	225.9360, -21.4520, -29.7400

Conversions

Conversions Part 2

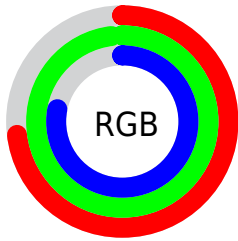
Format	Color
RYB	187, 241, 251
Decimal	12319687
CIELab	93.31, -29.98, 18.58
CIElCh	93, 35.271, 148.221
Yxy	83.6827, 0.3027, 0.3879
Android (android.graphics.Color)	4290509767 (0xFFBBFBC7)
YUV	225.9360, -13.2794, -34.1469
Hunter-Lab	91.4782, -32.6691, 20.7761

Details

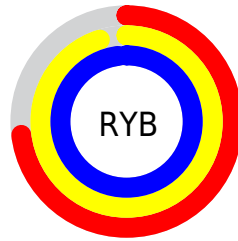
The XYZ color **65.2995, 83.6827, 66.7436** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.1368, 62.2837, 89.8320**, and the grayscale version is **72.3484, 76.1162, 82.8905**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **33.9183, 45.5334, 33.7892** is the 20% darker color. If you saturate the color by 10%, you get **57.4761, 79.9075, 54.8347**, and if you desaturate by 10%, it is **74.5180, 88.1452, 80.3779**.

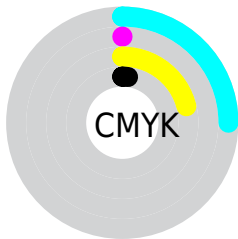
Distribution



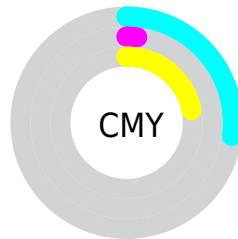
- Red (73%)
- Green (98%)
- Blue (78%)



- Red (73%)
- Yellow (95%)
- Blue (98%)



- Cyan (25%)
- Magenta (0%)
- Yellow (21%)
- Black (2%)





- Cyan (27%)
- Magenta (2%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.2995, 83.6827, 66.7436 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 65.2995, 83.6827, 66.7436 by changing the saturation by 10% instead.


 65.2995, 83.6827,
66.7436

 65.2995, 83.6827,
66.7436


433.3957,
507.2590, 467.5082

 47.9696, 62.7535,
48.4160


 111.5437,
138.5312, 116.1901

 34.0139, 45.6418,
33.7941


141.1886,
173.2194, 148.1461

 23.0673, 31.9633,
22.4594


175.6692,
213.2626, 185.4819

 14.7641, 21.3334,
13.9933

215.3510,
259.0453, 228.6162

 8.7393, 13.3680,
7.9773

260.5991,
310.9519, 277.9674

 4.6272, 7.6824,
3.9929

311.7790,

 2.0627, 3.8924,

369.3668, 333.9541

1.6214

369.2561,
434.6743, 396.9949

0.6688, 1.6136,
0.3060

0.0000, 0.3667,
0.0000

65.2995, 83.6827,
66.7436

65.2995, 83.6827,
66.7436

57.4761, 79.9075,
54.8347

74.5180, 88.1452,
80.3779

50.9726, 76.7751,
44.5769

85.1886, 93.3158,
95.7968

45.7172, 74.2525,
35.8990

93.7888, 97.4776,
108.4796

41.6280, 72.2990,
28.7222

■ 38.6133, 70.8693,
22.9610

■ 36.5671, 69.9106,
18.5210

■ 35.3606, 69.3587,
15.2965

■ 35.0132, 69.2034,
14.2083

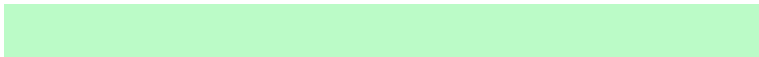
Harmonies

Analogous

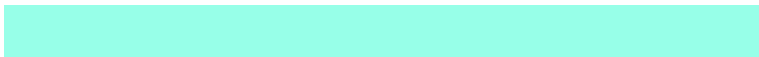
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.3869, 83.6827, 53.0660



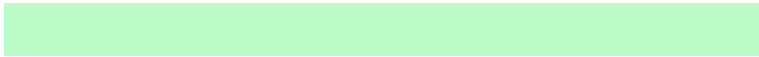
65.2995, 83.6827, 66.7436



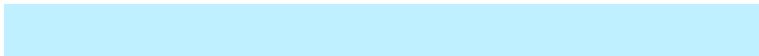
62.9871, 83.6827, 89.5373

Triad

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



65.2995, 83.6827, 66.7436



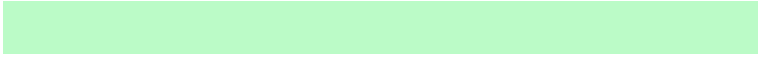
78.9847, 83.6827, 152.4071



96.3375, 83.6827, 69.0039

Complementary

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



65.2995, 83.6827, 66.7436



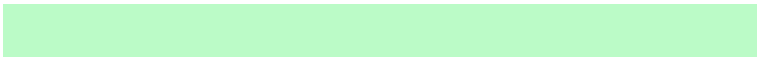
73.1368, 62.2837, 89.8320

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.



98.7603, 83.6827, 92.7136



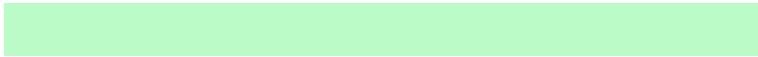
65.2995, 83.6827, 66.7436



88.2868, 83.6827, 144.0318

Square

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



65.2995, 83.6827, 66.7436



70.4970, 83.6827, 141.8874



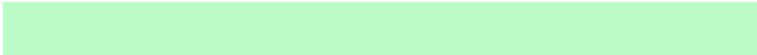
95.7088, 83.6827, 120.7993



89.3205, 83.6827, 54.1812

Rectangle

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



65.2995, 83.6827, 66.7436



63.7494, 83.6827, 108.0658



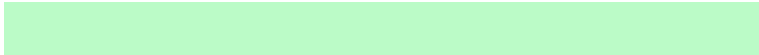
95.7088, 83.6827, 120.7993



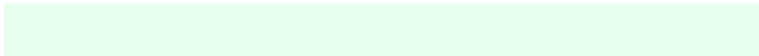
97.7391, 83.6827, 76.0387

Sweetspot

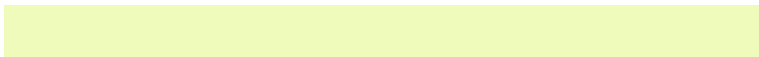
The Sweet Spot groups the original color and five complimentary colors.



65.3017, 83.6862, 66.7455



85.3842, 95.3122, 95.1136



79.1568, 90.9835, 60.4041



17.9107, 20.2238, 19.8326



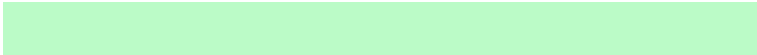
0.0000, 0.0000, 0.0000



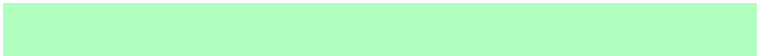
20.3446, 21.4041, 23.3091

Same Dimension

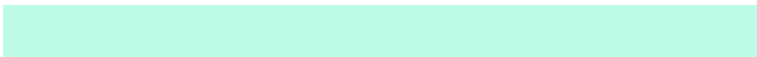
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.3017, 83.6862, 66.7455



63.0321, 84.4958, 62.1459



69.3794, 85.3173, 88.2182



17.1503, 19.3624, 18.9921



18.4422, 36.3899, 7.6719



1.7426, 3.3842, 0.8926

Inverse Universe

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



73.1368, 62.2837, 89.8320



72.5102, 58.5929, 90.0647



68.8516, 60.5696, 67.2665



17.8453, 17.4655, 21.0408



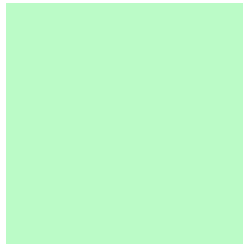
26.6880, 13.0909, 31.3953



2.5066, 1.2264, 3.0912

Previews

White Background



This preview shows how the XYZ color 65.2995, 83.6827, 66.7436 looks on a white background.

Color Contrast Check

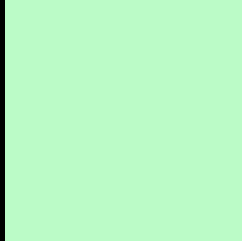
Large Text (above 18pt) WCAG AA × Fail

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 65.2995, 83.6827, 66.7436 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

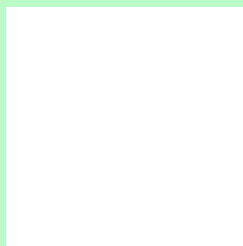
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.2995, 83.6827, 66.7436

Background



This preview shows how black text looks on a background with the XYZ color 65.2995, 83.6827, 66.7436.



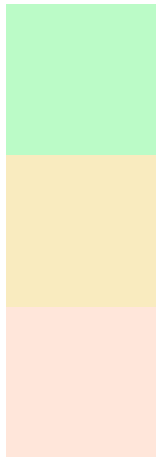
This preview shows how white text looks on a background with the XYZ color 65.2995, 83.6827,

66.7436.

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

65.2995, 83.6827, 66.7436

Protanopia

78.1792, 83.3180, 61.2517

Deuteranopia

82.1917, 82.9156, 78.0020



Tritanopia

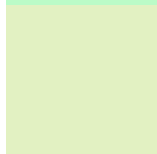
75.7998, 83.6859, 106.7657

Trichromacy



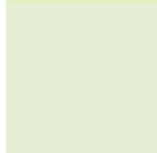
Original Color

65.2995, 83.6827, 66.7436



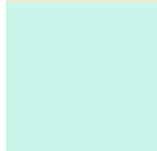
Protanomaly

72.5569, 82.9744, 63.2304



Deuteranomaly

74.9655, 82.6752, 73.6348



Tritanomaly

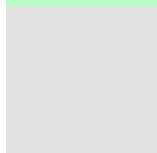
71.7352, 83.7205, 90.9761

Monochromacy



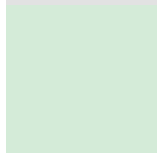
Original Color

65.2995, 83.6827, 66.7436



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

69.2544, 78.3716, 76.4429

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.2995, 83.6827, 66.7436 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(187, 251, 199)` looks like.

```
.text, #text, p{  
    color:rgb(187, 251, 199)  
}
```

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(187, 251, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 251, 199) }
```

Border

The CSS property to change the border of an element to XYZ 65.2995, 83.6827, 66.7436 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(187, 251, 199) }
```


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

```
.border{ border-color:rgb(187, 251, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 251, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 251, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 251, 199); box-shadow:4px 4px 4px 4px rgb(187, 251, 199) }
```

Background

The CSS property to change the background color of an element to XYZ 65.2995, 83.6827, 66.7436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 251, 199) }
```

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

```
.background{ background-color: rgb(187,  
251, 199) }
```

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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