

Converting Colors

XYZ(63.9828, 80.6336, 69.9492)

Have a look what the booklet for
XYZ(63.9828, 80.6336, 69.9492)
contains.

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Color

**XYZ(63.9828, 80.6336,
69.9492)**

Conversions

Conversions Part 1

Format	Color
Hex	B9F6CD
RGB	185, 246, 205
RGB Percent	73%, 96%, 80%
CMY	0.2745, 0.0353, 0.1961
CMYK	0.25, 0.00, 0.17, 0.04
HSL	140°, 77%, 85%
HSV	140°, 25%, 96%
XYZ	63.9828, 80.6336, 69.9492
YIQ	223.0870, -23.1950, -25.6830

Conversions

Conversions Part 2

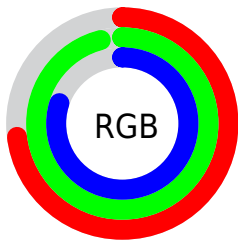
Format	Color
R _{YB}	185, 231, 246
Decimal	12187341
CIE Lab	91.97, -27.18, 13.58
CIE LCh	92, 30.379, 153.447
Yxy	80.6336, 0.2982, 0.3758
Android (android.graphics.Color)	4290377421 (0xFFB9F6CD)
YUV	223.0870, -8.9169, -33.4023
Hunter-Lab	89.7962, -29.9562, 16.6718

Details

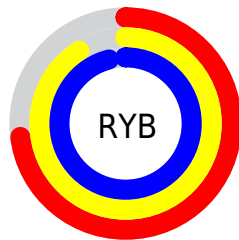
The XYZ color **63.9828, 80.6336, 69.9492** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.0853, 59.7836, 79.8532**, and the grayscale version is **70.2760, 73.9359, 80.5162**.

A 20% lighter version of the original color is **90.4279, 97.6172, 108.6837**, and **33.1436, 43.4549, 35.9189** is the 20% darker color. If you saturate the color by 10%, you get **56.6624, 77.0806, 59.7329**, and if you desaturate by 10%, it is **72.5454, 84.8071, 81.3283**.

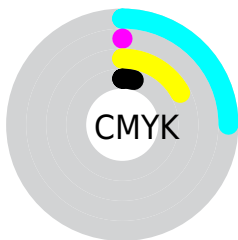
Distribution



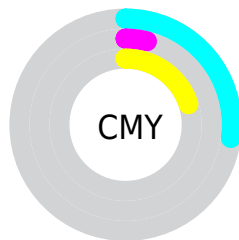
- Red (73%)
- Green (96%)
- Blue (80%)



- Red (73%)
- Yellow (91%)
- Blue (96%)



- Cyan (25%)
- Magenta (0%)
- Yellow (17%)
- Black (4%)





- Cyan (27%)
- Magenta (4%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.9828, 80.6336, 69.9492 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 63.9828, 80.6336, 69.9492 by changing the saturation by 10% instead.


 63.9828, 80.6336,
69.9492

 63.9828, 80.6336,
69.9492


428.7307,
497.0655, 479.1559

 46.8984, 60.2399,
51.0086

 109.6600,
134.2562, 120.8167

 33.1629, 43.6120,
35.8387


138.9836,
168.2538, 153.5807

 22.4111, 30.3656,
24.0209


173.1175,
207.5549, 191.7896

 14.2776, 20.1163,
15.1368

212.4272,
252.5438, 235.8619

 8.3970, 12.4796,
8.7678

257.2780,
303.6049, 286.2161

 4.4039, 7.0712,
4.4953

308.0353,

 1.9331, 3.5067,

361.1227, 343.2708

1.9008

365.0644,
425.4814, 407.4446

■ 0.5960, 1.4016,
0.4932

■ 0.0000, 0.2179,
0.0000

■ 63.9828, 80.6336,
69.9492

■ 63.9828, 80.6336,
69.9492

■ 56.6624, 77.0806,
59.7329

■ 72.5454, 84.8071,
81.3283

■ 50.5181, 74.1081,
50.6371

■ 82.3988, 89.6187,
93.8998

■ 45.4878, 71.6870,
42.6248

■ 92.1841, 94.3693,
107.6331

■ 41.5006, 69.7817,
35.6550

■ 92.2473, 94.3946,
107.9658

■ 38.4770, 68.3520,
29.6839

■ 36.3253, 67.3516,
24.6645

■ 34.9343, 66.7242,
20.5456

■ 34.4296, 66.5035,
18.7386

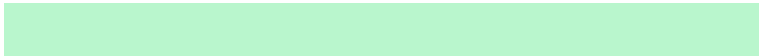
Harmonies

Analogous

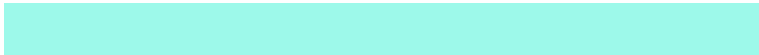
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.6615, 80.6336, 56.5928



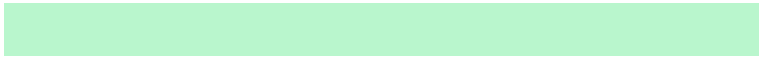
63.9828, 80.6336, 69.9492



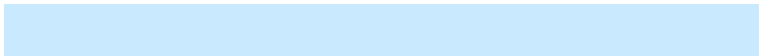
62.6132, 80.6336, 90.4064

Triad

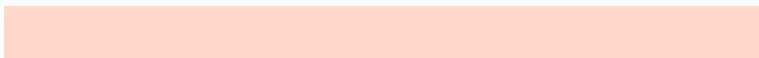
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.9828, 80.6336, 69.9492



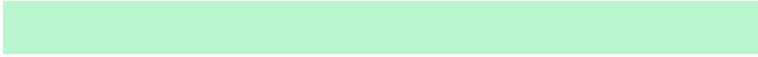
77.5459, 80.6336, 138.0716



89.8576, 80.6336, 66.1719

Complementary

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



63.9828, 80.6336, 69.9492



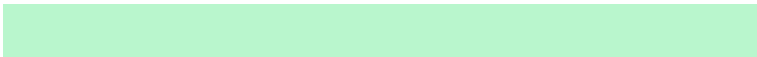
69.0853, 59.7836, 79.8532

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.



92.6189, 80.6336, 85.2369



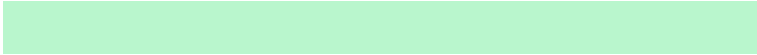
63.9828, 80.6336, 69.9492



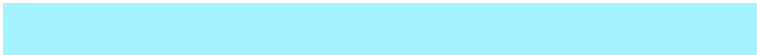
85.2134, 80.6336, 128.7674

Square

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



63.9828, 80.6336, 69.9492



70.1245, 80.6336, 132.1328



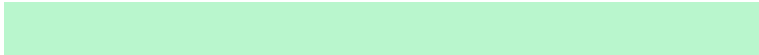
90.8648, 80.6336, 108.4469



83.5467, 80.6336, 54.6859

Rectangle

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



63.9828, 80.6336, 69.9492



63.6785, 80.6336, 106.0346



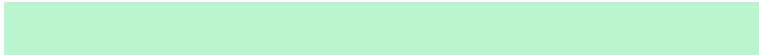
90.8648, 80.6336, 108.4469



91.2504, 80.6336, 71.7793

Sweetspot

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



63.9850, 80.6370, 69.9510



86.9132, 96.0216, 98.7490



73.2945, 85.6975, 58.5782



18.4600, 20.4827, 20.9556



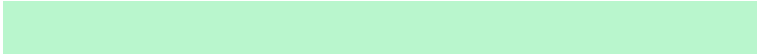
0.0000, 0.0000, 0.0000



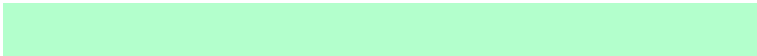
20.3446, 21.4041, 23.3091

Same Dimension

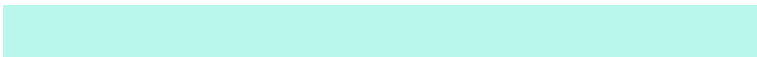
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.9850, 80.6370, 69.9510



65.0839, 85.3838, 69.9140



67.9349, 82.2169, 90.7507



16.5062, 18.5616, 18.6840



18.4336, 35.5183, 10.3033



1.6655, 3.1399, 1.1447

Inverse Universe

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



69.0853, 59.7836, 79.8532



71.5316, 59.0088, 82.4230



65.3421, 58.2864, 60.1419



16.9691, 16.6705, 19.5837



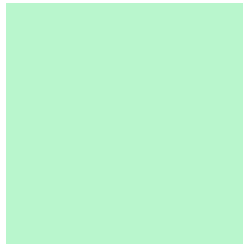
23.9955, 11.9416, 20.4824



2.1562, 1.0684, 2.0488

Previews

White Background



This preview shows how the XYZ color 63.9828, 80.6336, 69.9492 looks on a white background.

Color Contrast Check

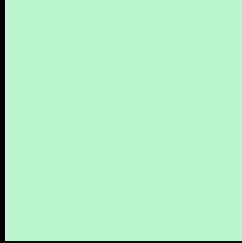
Large Text (above 18pt) WCAG AA × Fail

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 63.9828, 80.6336, 69.9492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

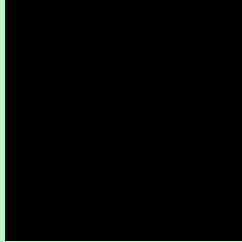
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

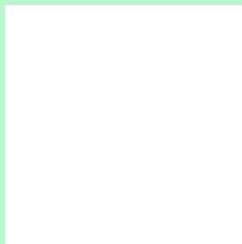
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.9828, 80.6336, 69.9492

Background



This preview shows how black text looks on a background with the XYZ color 63.9828, 80.6336, 69.9492.



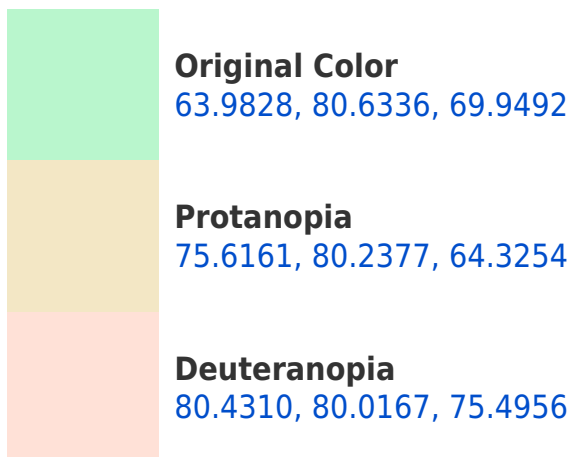
This preview shows how white text looks on a background with the XYZ color 63.9828, 80.6336,

69.9492.

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





Tritanopia

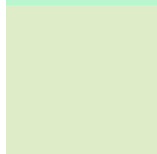
72.1777, 80.5112, 106.3438

Trichromacy



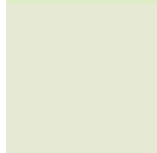
Original Color

63.9828, 80.6336, 69.9492



Protanomaly

70.5450, 79.6906, 66.3073



Deuteranomaly

73.5299, 79.8040, 73.1563



Tritanomaly

68.9895, 80.4944, 92.0216

Monochromacy



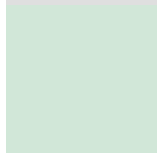
Original Color

63.9828, 80.6336, 69.9492



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

67.2651, 75.6650, 76.0253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9828, 80.6336, 69.9492 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(185, 246, 205)` looks like.

```
.text, #text, p{  
    color:rgb(185, 246, 205)  
}
```

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(185, 246, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 246, 205) }
```

Border

The CSS property to change the border of an element to XYZ 63.9828, 80.6336, 69.9492 is called "border". The border property can be set on classes, ids or directly on the HTML element.

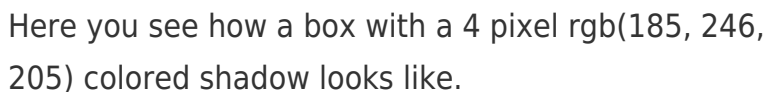
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 246, 205) }
```


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

```
.border{ border-color:rgb(185, 246, 205) }
```

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



Here you see how a box with a 4 pixel `rgb(185, 246, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 246, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 246, 205); box-shadow:4px 4px 4px 4px rgb(185, 246, 205) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9828, 80.6336, 69.9492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 246, 205) }
```

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

```
.background{ background-color: rgb(185,  
246, 205) }
```

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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