

Converting Colors

XYZ(68.9188, 80.0283, 65.8172)

Have a look what the booklet for
XYZ(68.9188, 80.0283, 65.8172)
contains.

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Color

**XYZ(68.9069, 80.1527,
65.8721)**

Conversions

Conversions Part 1

Format	Color
Hex	D6EFC7
RGB	214, 239, 199
RGB Percent	84%, 94%, 78%
CMY	0.1608, 0.0627, 0.2196
CMYK	0.10, 0.00, 0.17, 0.06
HSL	98°, 56%, 86%
HSV	98°, 17%, 94%
XYZ	68.9069, 80.1527, 65.8721
YIQ	226.9650, -2.0600, -17.7400

Conversions

Conversions Part 2

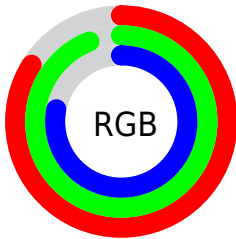
Format	Color
R _{YB}	199, 239, 224
Decimal	14086087
CIE Lab	91.75, -15.28, 16.63
CIE LCh	92, 22.586, 132.584
Yxy	80.1527, 0.3206, 0.3729
Android (android.graphics.Color)	4292276167 (0xFFD6EFC7)
YUV	226.9650, -13.7867, -11.3703
Hunter-Lab	89.5280, -19.2883, 19.0458

Details

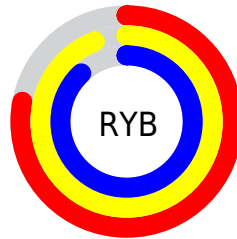
The XYZ color **68.9069, 80.1527, 65.8721** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.7471, 62.9284, 90.2941**, and the grayscale version is **73.0883, 76.8945, 83.7382**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.3424, 43.2822, 33.2269** is the 20% darker color. If you saturate the color by 10%, you get **62.1856, 76.9860, 52.1920**, and if you desaturate by 10%, it is **76.4683, 83.7069, 81.8699**.

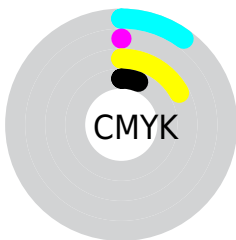
Distribution



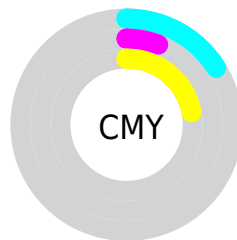
- Red (84%)
- Green (94%)
- Blue (78%)



- Red (78%)
- Yellow (94%)
- Blue (88%)



- Cyan (10%)
- Magenta (0%)
- Yellow (17%)
- Black (6%)



- Cyan (16%)
- Magenta (6%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.9069, 80.1527, 65.8721 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 68.9069, 80.1527, 65.8721 by changing the saturation by 10% instead.

68.9069, 80.1527,
65.8721

68.9069, 80.1527,
65.8721

446.0291,
495.4473, 464.3111

50.9123, 59.8440,
47.7128

116.6834,
133.5804, 114.9280

36.3595, 43.2929,
33.2411

147.1959,
167.4682, 146.6616

24.8834, 30.1150,
22.0386

182.6118,
206.6512, 183.7571

16.1185, 19.9259,
13.6867

223.2965,
251.5137, 226.6330

9.6994, 12.3412,
7.7668

269.6151,
302.4402, 275.7077

5.2608, 6.9765,
3.8605

321.9332,

2.4374, 3.4474,

359.8150, 331.4000

1.5491

380.6161,
424.0226, 394.1283

■ 0.8638, 1.3695,
0.2541

■ 0.0000, 0.1941,
0.0000

■ 68.9069, 80.1527,
65.8721

■ 68.9069, 80.1527,
65.8721

■ 62.1856, 76.9860,
52.1920

■ 76.4683, 83.7069,
81.8699

■ 56.2670, 74.1827,
40.7169

■ 84.8926, 87.6510,
100.2805

■ 51.1201, 71.7317,
31.3328

■ 90.1581, 90.2162,
107.2694

■ 46.7095, 69.6176,
23.9131

■ 42.9962, 67.8233,
18.3179

■ 39.9374, 66.3303,
14.3882

■ 37.4841, 65.1173,
11.9384

■ 35.5771, 64.1589,
10.7327

■ 35.0471, 63.8906,
10.4849

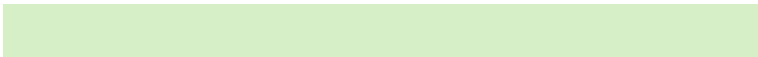
Harmonies

Analogous

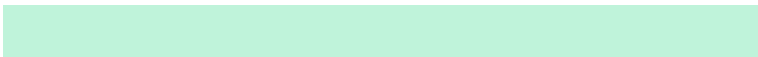
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.7868, 80.1527, 59.7477



68.9069, 80.1527, 65.8721



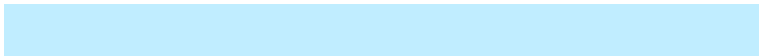
66.0626, 80.1527, 78.0884

Triad

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



68.9069, 80.1527, 65.8721



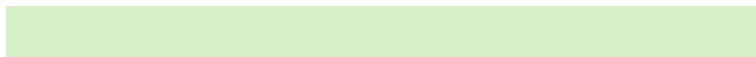
72.9045, 80.1527, 121.3026



87.5527, 80.1527, 80.5198

Complementary

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



68.9069, 80.1527, 65.8721



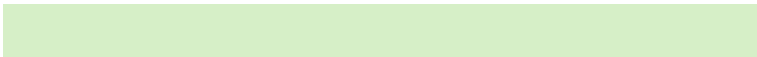
66.7471, 62.9284, 90.2941

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.



87.2870, 80.1527, 97.1503



68.9069, 80.1527, 65.8721



78.6300, 80.1527, 122.1695

Square

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



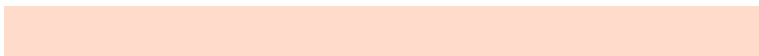
68.9069, 80.1527, 65.8721



68.2891, 80.1527, 110.6315



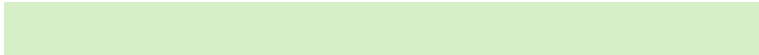
83.9535, 80.1527, 112.8688



84.6623, 80.1527, 67.4575

Rectangle

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



68.9069, 80.1527, 65.8721



65.6106, 80.1527, 88.7157



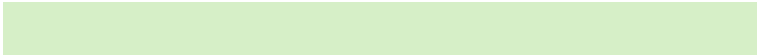
83.9535, 80.1527, 112.8688



87.8336, 80.1527, 85.8453

Sweetspot

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



68.9090, 80.1562, 65.8738



90.1931, 97.7256, 98.3106



72.4748, 75.6098, 64.8084



19.1633, 20.8509, 20.7362



0.0000, 0.0000, 0.0000



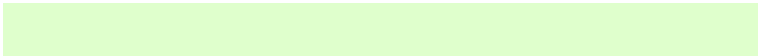
20.3446, 21.4041, 23.3091

Same Dimension

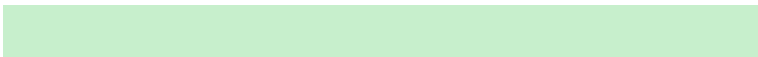
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.9090, 80.1562, 65.8738



77.1282, 91.5870, 70.7397



65.2813, 78.2224, 68.5766



16.1259, 17.9450, 16.7635



19.5004, 35.3744, 5.8002



1.7290, 2.9979, 0.4875

Inverse Universe

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



66.7471, 62.9284, 90.2941



74.1944, 68.2177, 103.8646



70.9223, 65.1594, 86.9361



15.8466, 15.7181, 19.9203



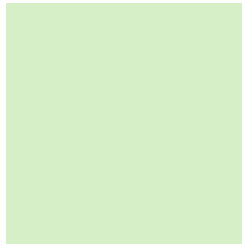
15.6485, 7.0725, 45.6682



1.4116, 0.6450, 3.8043

Previews

White Background



This preview shows how the XYZ color 68.9069, 80.1527, 65.8721 looks on a white background.

Color Contrast Check

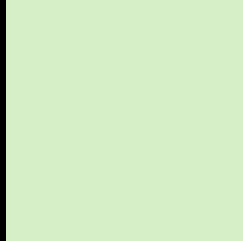
Large Text (above 18pt) WCAG AA × Fail

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 68.9069, 80.1527, 65.8721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

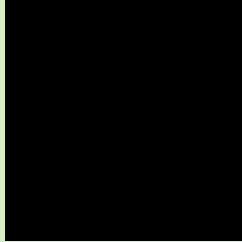
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

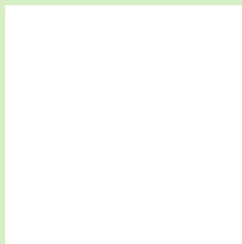
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.9069, 80.1527, 65.8721

Background



This preview shows how black text looks on a background with the XYZ color 68.9069, 80.1527, 65.8721.



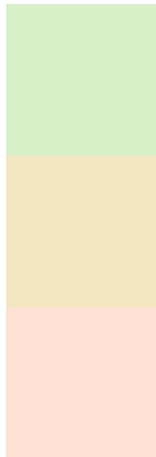
This preview shows how white text looks on a background with the XYZ color 68.9069, 80.1527, 65.8721.

65.8721.

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

68.9069, 80.1527, 65.8721

Protanopia

75.1093, 79.5884, 63.0332

Deuteranopia

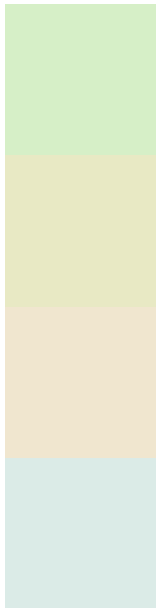
79.9231, 79.8136, 72.8212



Tritanopia

76.2361, 80.1449, 101.8939

Trichromacy



Original Color

68.9069, 80.1527, 65.8721

Protanomaly

72.3814, 79.4192, 63.7391

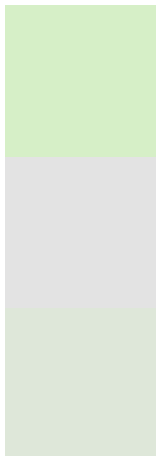
Deuteranomaly

75.4945, 79.6239, 70.4214

Tritanomaly

73.3456, 80.2463, 87.2247

Monochromacy



Original Color

68.9069, 80.1527, 65.8721

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

71.2245, 77.6912, 76.8876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9069, 80.1527, 65.8721 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(214, 239, 199)` looks like.

```
.text, #text, p{  
    color:rgb(214, 239, 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(214, 239, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 239, 199) }
```

Border

The CSS property to change the border of an element to XYZ 68.9069, 80.1527, 65.8721 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(214, 239, 199) }
```


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

```
.border{ border-color:rgb(214, 239, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 239, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 239, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 239, 199);  
box-shadow:4px 4px 4px 4px rgb(214, 239,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9069, 80.1527, 65.8721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 239, 199) }
```

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

```
.background{ background-color: rgb(214,  
239, 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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