

# Converting Colors

XYZ(65.1555, 79.7387, 65.9403)

Have a look what the booklet for  
XYZ(65.1555, 79.7387, 65.9403)  
contains.

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# Color

**XYZ(65.0869, 79.4981,  
65.9471)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5F2C7
RGB	197, 242, 199
RGB Percent	77%, 95%, 78%
CMY	0.2274, 0.0510, 0.2196
CMYK	0.19, 0.00, 0.18, 0.05
HSL	123°, 63%, 86%
HSV	123°, 19%, 95%
XYZ	65.0869, 79.4981, 65.9471
YIQ	223.6430, -13.0170, -22.9130

# Conversions

## Conversions Part 2

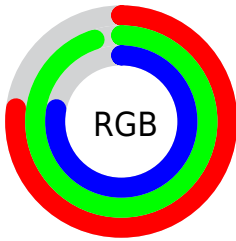
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 240, 242
Decimal	12972743
CIELab	91.46, -22.47, 16.06
CIElCh	91, 27.622, 144.453
Yxy	79.4981, 0.3092, 0.3776
Android (android.graphics.Color)	4291162823 (0xFFC5F2C7)
YUV	223.6430, -12.1490, -23.3659
Hunter-Lab	89.1617, -25.7303, 18.5602

# Details

The XYZ color **65.0869, 79.4981, 65.9471** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.3151, 65.1028, 91.1963**, and the grayscale version is **70.6891, 74.3705, 80.9894**.

A 20% lighter version of the original color is **94.6831, 99.8108, 108.8828**, and **33.9974, 43.0018, 33.2964** is the 20% darker color. If you saturate the color by 10%, you get **56.7676, 75.4986, 52.5915**, and if you desaturate by 10%, it is **74.8358, 84.1919, 81.5027**.

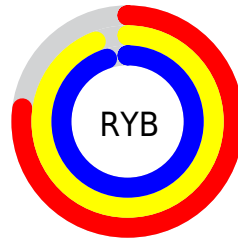
# Distribution



Red (77%)

Green (95%)

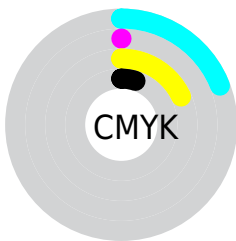
Blue (78%)



Red (77%)

Yellow (94%)

Blue (95%)

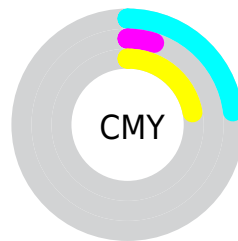


Cyan (19%)

Magenta (0%)

Yellow (18%)

Black (5%)



Cyan (23%)

Magenta (5%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.0869, 79.4981, 65.9471 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 65.0869, 79.4981, 65.9471 by changing the saturation by 10% instead.



65.0869, 79.4981,  
65.9471

65.0869, 79.4981,  
65.9471

432.6445,  
493.2398, 464.5867

47.7965, 59.3054,  
47.7732

111.2398,  
132.6599, 115.0367

33.8763, 42.8590,  
33.2886

140.8330,  
166.3977, 146.7895

22.9611, 29.7745,  
22.0747

175.2579,  
205.4195, 183.9057

14.6853, 19.6675,  
13.7130

214.8798,  
250.1094, 226.8039

8.6837, 12.1536,  
7.7848

260.0640,  
300.8521, 275.9025

4.5909, 6.8484,  
3.8718

311.1760,

2.0416, 3.3675,

358.0317, 331.6202

1.5553

368.5810,  
422.0329, 394.3754

■ 0.6571, 1.3264,  
0.2586

■ 0.0000, 0.1615,  
0.0000

■ 65.0869, 79.4981,  
65.9471

■ 65.0869, 79.4981,  
65.9471

■ 56.7676, 75.4986,  
52.5915

■ 74.8358, 84.1919,  
81.5027

■ 49.8047, 72.1511,  
41.3316

■ 86.0703, 89.6002,  
99.3457

■ 44.1281, 69.4240,  
32.0628

■ 91.0437, 91.9874,  
107.5646

■ 39.6591, 67.2792,  
24.6693

■ 36.3101, 65.6742,  
19.0232

■ 33.9818, 64.5610,  
14.9808

■ 32.5576, 63.8830,  
12.3756

■ 31.8755, 63.5610,  
11.0041

■ 31.8127, 63.5310,  
10.8953

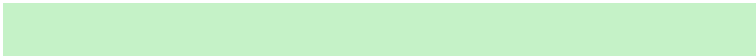
# Harmonies

## Analogous

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



70.1018, 79.4981, 55.8847



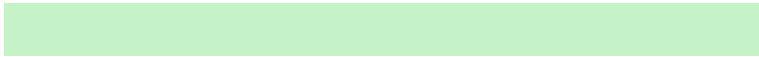
65.0869, 79.4981, 65.9471



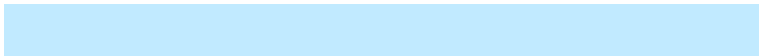
62.8888, 79.4981, 82.8715

# Triad

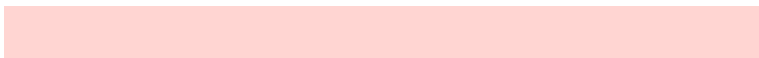
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.0869, 79.4981, 65.9471



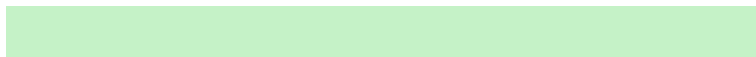
74.2614, 79.4981, 131.0934



88.5460, 79.4981, 71.5029

# Complementary

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



65.0869, 79.4981, 65.9471



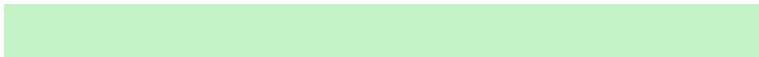
72.3151, 65.1028, 91.1963

# 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.



89.8295, 79.4981, 90.3562



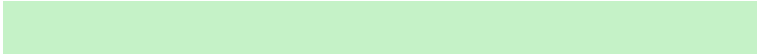
65.0869, 79.4981, 65.9471



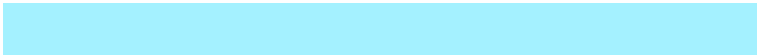
81.2955, 79.4981, 126.8005

# Square

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



65.0869, 79.4981, 65.9471



67.9710, 79.4981, 122.0347



87.1015, 79.4981, 111.0743

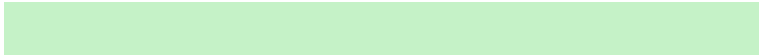


83.6950, 79.4981, 58.7269



# Rectangle

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



65.0869, 79.4981, 65.9471



63.2118, 79.4981, 96.5865



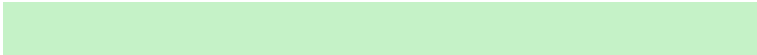
87.1015, 79.4981, 111.0743



89.4211, 79.4981, 77.2524

# Sweetspot

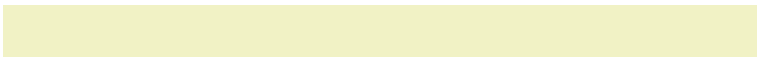
The Sweet Spot groups the original color and five complimentary colors.



65.0890, 79.5015, 65.9489



87.3781, 96.3067, 96.7182



77.9388, 86.1524, 65.3454



18.5317, 20.5314, 20.4301



0.0000, 0.0000, 0.0000

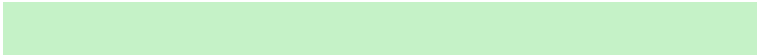


20.3446, 21.4041, 23.3091

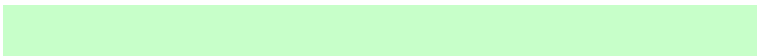


# Same Dimension

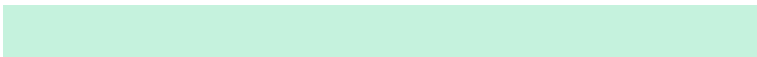
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.0890, 79.5015, 65.9489



69.8757, 87.8841, 68.7821



67.8316, 80.5985, 80.3910



15.5944, 17.6678, 16.8869



17.1022, 34.1329, 5.9213



1.4327, 2.8435, 0.5450



# Inverse Universe

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



72.3151, 65.1028, 91.1963



79.2914, 69.1212, 101.6791



69.2416, 63.8734, 75.0112



16.4221, 16.0186, 19.7792



27.4524, 13.2534, 41.8945

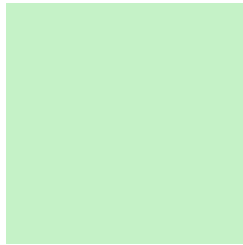


2.2931, 1.1063, 3.5344



# Previews

## White Background



This preview shows how the XYZ color 65.0869, 79.4981, 65.9471 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 65.0869, 79.4981, 65.9471 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

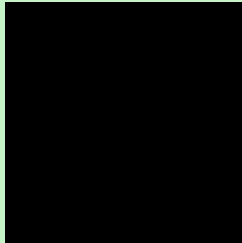
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

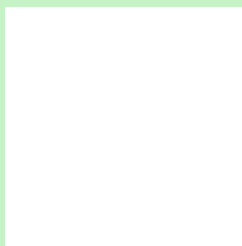
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 65.0869, 79.4981, 65.9471**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.0869, 79.4981, 65.9471.



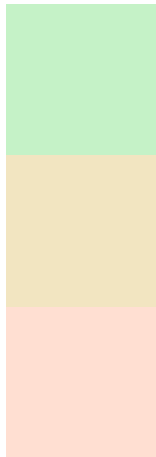
This preview shows how white text looks on a background with the XYZ color 65.0869, 79.4981,

65.9471.

# 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

65.0869, 79.4981, 65.9471

### Protanopia

74.2629, 78.7661, 61.7414

### Deuteranopia

79.2605, 78.6885, 71.9837



## **Tritanopia**

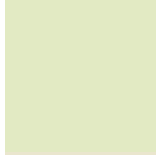
72.6060, 79.0593, 104.3617

# Trichromacy



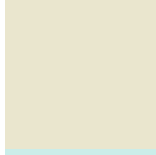
## Original Color

65.0869, 79.4981, 65.9471



## Protanomaly

70.6372, 78.9545, 63.1465



## Deuteranomaly

73.3691, 78.5423, 69.6857



## Tritanomaly

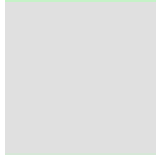
69.6208, 79.1481, 88.6985

# Monochromacy



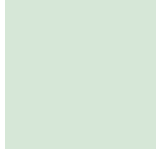
## Original Color

65.0869, 79.4981, 65.9471



## Achromatopsia

70.8507, 74.5404, 81.1745



## Achromatomaly

68.5732, 76.3543, 75.4136

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.0869, 79.4981, 65.9471 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(197, 242, 199)` looks like.

```
.text, #text, p{  
    color:rgb(197, 242, 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(197, 242, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 242, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 65.0869, 79.4981, 65.9471 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(197, 242, 199) }
```



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

```
.border{ border-color:rgb(197, 242, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 242, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 242, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 242, 199);  
box-shadow:4px 4px 4px 4px rgb(197, 242,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.0869, 79.4981, 65.9471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 242, 199) }
```

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

```
.background{ background-color: rgb(197,  
242, 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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