

# Converting Colors

XYZ(69.3823, 81.0379, 79.1603)

Have a look what the booklet for  
XYZ(69.3823, 81.0379, 79.1603)  
contains.

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# Color

**XYZ(69.4183, 81.0042,  
78.9945)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDF1DB
RGB	205, 241, 219
RGB Percent	80%, 95%, 86%
CMY	0.1961, 0.0549, 0.1412
CMYK	0.15, 0.00, 0.09, 0.05
HSL	143°, 56%, 87%
HSV	143°, 15%, 95%
XYZ	69.4183, 81.0042, 78.9945
YIQ	227.7280, -14.3940, -14.4740

# Conversions

## Conversions Part 2

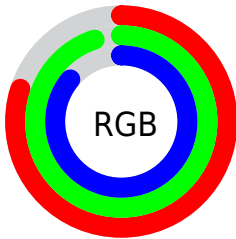
Format	Color
<b>R<sub>YB</sub></b>	205, 231, 241
Decimal	13496795
CIE Lab	92.13, -15.81, 6.73
CIE LCh	92, 17.185, 156.959
Yxy	81.0042, 0.3026, 0.3531
Android (android.graphics.Color)	4291686875 (0xFFCDF1DB)
YUV	227.7280, -4.3029, -19.9325
Hunter-Lab	90.0023, -19.8280, 10.9632

# Details

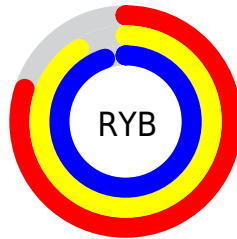
The XYZ color **69.4183, 81.0042, 78.9945** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.9749, 67.9114, 81.9914**, and the grayscale version is **73.5839, 77.4160, 84.3060**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.6275, 43.8623, 41.6578** is the 20% darker color. If you saturate the color by 10%, you get **61.4216, 77.0982, 68.9427**, and if you desaturate by 10%, it is **78.6152, 85.5135, 90.0015**.

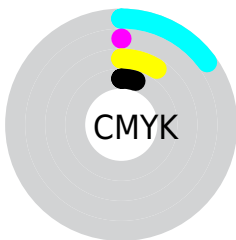
# Distribution



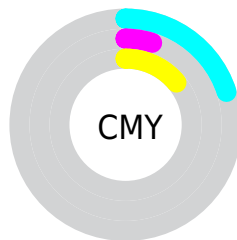
- Red (80%)
- Green (95%)
- Blue (86%)



- Red (80%)
- Yellow (91%)
- Blue (95%)



- Cyan (15%)
- Magenta (0%)
- Yellow (9%)
- Black (5%)



- Cyan (20%)
- Magenta (5%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.4183, 81.0042, 78.9945 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 69.4183, 81.0042, 78.9945 by changing the saturation by 10% instead.



69.4183, 81.0042,  
78.9945

69.4183, 81.0042,  
78.9945

447.8032,  
498.3106, 511.1549

51.3303, 60.5451,  
58.3700

117.4096,  
134.7767, 133.7497

36.6937, 43.8581,  
41.6895

148.0437,  
168.8588, 168.7175

25.1430, 30.5590,  
28.5345

183.5905,  
208.2507, 209.3035

16.3129, 20.2633,  
18.4864

224.4154,  
253.3367, 255.9262

9.8381, 12.5866,  
11.1267

270.8838,  
304.5014, 309.0041

5.3532, 7.1445,  
6.0369

323.3610,

2.4928, 3.5526,

362.1290, 368.9558

2.7984

382.2124,  
426.6039, 436.1999

■ 0.8916, 1.4266,  
0.9926

■ 0.0000, 0.2362,  
0.0000

■ 69.4183, 81.0042,  
78.9945

■ 69.4183, 81.0042,  
78.9945

■ 61.4216, 77.0982,  
68.9427

■ 78.6152, 85.5135,  
90.0015

■ 54.5671, 73.7595,  
59.8154

■ 89.0534, 90.6403,  
101.9829

■ 48.8021, 70.9637,  
51.5876

■ 90.7468, 91.3937,  
107.4656

■ 44.0671, 68.6806,  
44.2314

■ 40.2963, 66.8770,  
37.7175

■ 37.4161, 65.5154,  
32.0147

■ 35.3414, 64.5528,  
27.0897

■ 33.9686, 63.9362,  
22.9065

■ 33.4645, 63.7168,  
21.0579

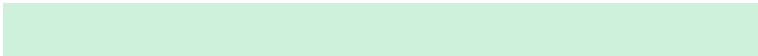
# Harmonies

## Analogous

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



71.9845, 81.0042, 70.1115



69.4183, 81.0042, 78.9945



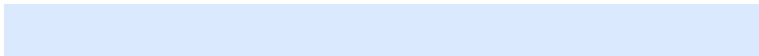
68.8444, 81.0042, 91.1880

# Triad

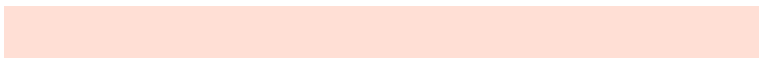
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.4183, 81.0042, 78.9945



78.0285, 81.0042, 114.6918



83.9993, 81.0042, 74.3335

# Complementary

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



69.4183, 81.0042, 78.9945



71.9749, 67.9114, 81.9914

# 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.



85.7584, 81.0042, 85.2776



69.4183, 81.0042, 78.9945



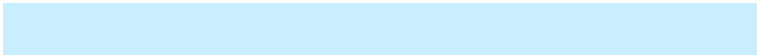
82.2266, 81.0042, 109.1589

# Square

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



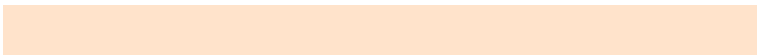
69.4183, 81.0042, 78.9945



73.7069, 81.0042, 112.6009



85.0976, 81.0042, 98.0938

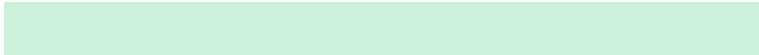


80.3734, 81.0042, 67.6061



# Rectangle

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



69.4183, 81.0042, 78.9945



69.6482, 81.0042, 99.7253



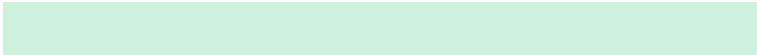
85.0976, 81.0042, 98.0938



84.8348, 81.0042, 77.5984

# Sweetspot

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



69.4205, 81.0076, 78.9963



90.4089, 97.7215, 103.5286



74.2194, 83.6856, 69.9998



19.1699, 20.8274, 21.9475



0.0000, 0.0000, 0.0000

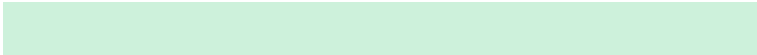


20.3446, 21.4041, 23.3091

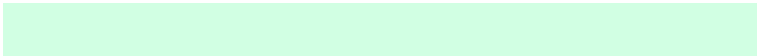


# Same Dimension

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



69.4205, 81.0076, 78.9963



75.9408, 90.6331, 86.1272



71.8917, 81.9961, 92.0090



15.8204, 17.7582, 18.0769



18.2075, 34.5750, 11.7418



1.5621, 2.8953, 1.2262



# Inverse Universe

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



71.9749, 67.9114, 81.9914



79.3732, 73.0333, 90.1503



69.6428, 66.9786, 69.7104



16.1787, 15.9212, 18.4973



22.6076, 11.3155, 16.3820



1.9293, 0.9608, 1.6188



# Previews

## White Background



This preview shows how the XYZ color 69.4183, 81.0042, 78.9945 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 69.4183, 81.0042, 78.9945 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

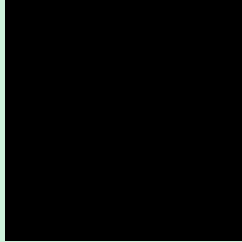
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

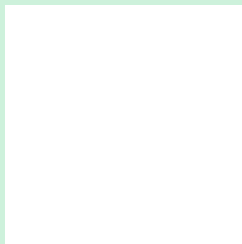
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 69.4183, 81.0042, 78.9945

## Background



This preview shows how black text looks on a background with the XYZ color 69.4183, 81.0042, 78.9945.



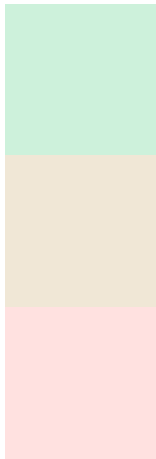
This preview shows how white text looks on a background with the XYZ color 69.4183, 81.0042,

78.9945.

# 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

69.4183, 81.0042, 78.9945

### Protanopia

76.6487, 80.5321, 75.1228

### Deuteranopia

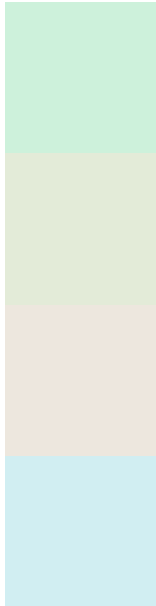
81.6198, 80.4922, 81.7557



## **Tritanopia**

74.9094, 81.0598, 106.3057

# Trichromacy



## Original Color

69.4183, 81.0042, 78.9945

## Protanomaly

73.7816, 80.7054, 76.6547

## Deuteranomaly

76.6858, 80.4303, 80.5901

## Tritanomaly

72.8960, 81.1152, 95.8192

# Monochromacy



## Original Color

69.4183, 81.0042, 78.9945

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

72.2447, 78.9297, 82.6614

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.4183, 81.0042, 78.9945 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(205, 241, 219)` looks like.

```
.text, #text, p{  
    color:rgb(205, 241, 219)  
}
```

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(205, 241, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 241, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 69.4183, 81.0042, 78.9945 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(205, 241, 219) }
```



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

```
.border{ border-color:rgb(205, 241, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 241, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 241, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 241, 219);  
box-shadow:4px 4px 4px 4px rgb(205, 241,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.4183, 81.0042, 78.9945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 241, 219) }
```

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

```
.background{ background-color: rgb(205,  
241, 219) }
```

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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