

# Converting Colors

XYZ(70.8433, 80.8621, 79.1498)

Have a look what the booklet for  
XYZ(70.8433, 80.8621, 79.1498)  
contains.

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# Color

**XYZ(70.8041, 80.8445,  
78.8906)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4EFDB
RGB	212, 239, 219
RGB Percent	83%, 94%, 86%
CMY	0.1686, 0.0627, 0.1412
CMYK	0.11, 0.00, 0.08, 0.06
HSL	136°, 46%, 88%
HSV	136°, 11%, 94%
XYZ	70.8041, 80.8445, 78.8906
YIQ	228.6470, -9.6720, -11.9440

# Conversions

## Conversions Part 2

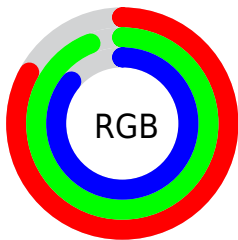
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	212, 233, 239
Decimal	13955035
CIE Lab	92.06, -12.53, 6.68
CIE LCh	92, 14.201, 151.931
Yxy	80.8445, 0.3071, 0.3507
Android (android.graphics.Color)	4292145115 (0xFFD4EFDB)
YUV	228.6470, -4.7560, -14.5994
Hunter-Lab	89.9136, -16.7856, 10.9182

# Details

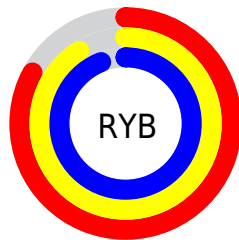
The XYZ color **70.8041, 80.8445, 78.8906** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.7085, 71.2660, 86.2187**, and the grayscale version is **74.2576, 78.1248, 85.0779**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.5390, 43.7154, 41.5814** is the 20% darker color. If you saturate the color by 10%, you get **62.2096, 76.6713, 66.9619**, and if you desaturate by 10%, it is **80.6709, 85.6495, 92.1764**.

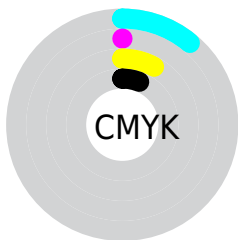
# Distribution



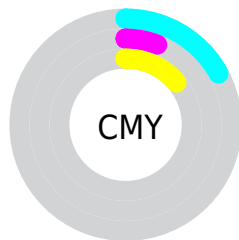
- Red (83%)
- Green (94%)
- Blue (86%)



- Red (83%)
- Yellow (91%)
- Blue (94%)



- Cyan (11%)
- Magenta (0%)
- Yellow (8%)
- Black (6%)



- Cyan (17%)
- Magenta (6%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.8041, 80.8445, 78.8906 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 70.8041, 80.8445, 78.8906 by changing the saturation by 10% instead.



70.8041, 80.8445,  
78.8906

70.8041, 80.8445,  
78.8906

452.5908,  
497.7743, 510.7940

52.4643, 60.4135,  
58.2851

119.3748,  
134.5524, 133.6021

37.6011, 43.7520,  
41.6217

150.3364,  
168.5981, 168.5452

25.8490, 30.4756,  
28.4818

186.2359,  
207.9509, 209.1045

16.8428, 20.1999,  
18.4470

227.4388,  
252.9951, 255.6986

10.2171, 12.5404,  
11.0986

274.3104,  
304.1152, 308.7461

5.6065, 7.1129,  
6.0182

327.2160,

2.6457, 3.5328,

361.6955, 368.6655

2.7872

386.5211,  
426.1204, 435.8753

■ 0.9693, 1.4158,  
0.9870

■ 0.0000, 0.2283,  
0.0000

■ 70.8041, 80.8445,  
78.8906

■ 70.8041, 80.8445,  
78.8906

■ 62.2096, 76.6713,  
66.9619

■ 80.6709, 85.6495,  
92.1764

■ 54.8283, 73.0935,  
56.3422

■ 90.0634, 90.1782,  
106.7711

■ 48.6065, 70.0867,  
46.9884

■ 90.1580, 90.2161,  
107.2693

■ 43.4835, 67.6204,  
38.8529

■ 39.3931, 65.6617,  
31.8852

■ 36.2617, 64.1738,  
26.0313

■ 34.0056, 63.1146,  
21.2326

■ 32.5254, 62.4342,  
17.4252

■ 31.7363, 62.0834,  
14.8617

# Harmonies

## Analogous

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



73.1827, 80.8445, 72.0247



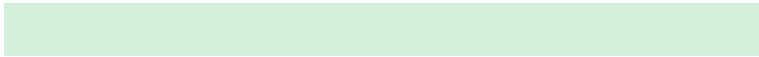
70.8041, 80.8445, 78.8906



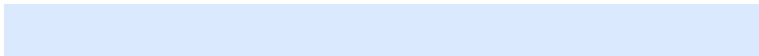
70.0280, 80.8445, 88.7059

# Triad

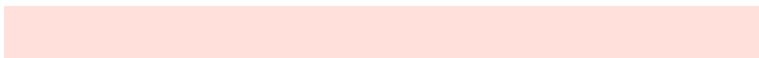
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.8041, 80.8445, 78.8906



77.0773, 80.8445, 109.7139



82.9606, 80.8445, 77.8036

# Complementary

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



70.8041, 80.8445, 78.8906



73.7085, 71.2660, 86.2187

# 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.



84.0806, 80.8445, 87.3494



70.8041, 80.8445, 78.8906



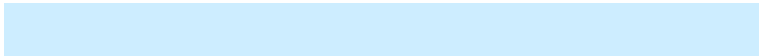
80.6177, 80.8445, 106.2371

# Square

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



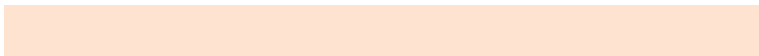
70.8041, 80.8445, 78.8906



73.5805, 80.8445, 107.0079



83.2101, 80.8445, 97.8406

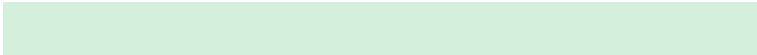


80.1949, 80.8445, 71.4330



# Rectangle

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



70.8041, 80.8445, 78.8906



70.5034, 80.8445, 95.7596



83.2101, 80.8445, 97.8406



83.5459, 80.8445, 80.7202

# Sweetspot

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



70.8063, 80.8479, 78.8924



91.3922, 98.2182, 104.0363



76.1133, 83.6880, 74.4304



19.3574, 20.9233, 21.9951



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

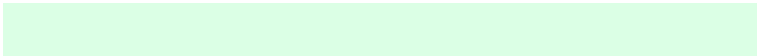


# Same Dimension

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



70.8063, 80.8479, 78.8924



79.1445, 92.2589, 87.4393



72.6216, 81.5740, 88.4513



15.7341, 17.7237, 17.6225



17.5827, 34.3251, 8.4513



1.5020, 2.8712, 0.9101



# Inverse Universe

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



73.7085, 71.2660, 86.2187



83.2454, 78.7179, 97.7908



71.8959, 70.5410, 76.6737



16.2691, 15.9573, 18.9732



24.1158, 11.9188, 24.3244

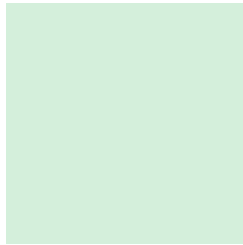


2.0465, 1.0077, 2.2358



# Previews

## White Background



This preview shows how the XYZ color 70.8041, 80.8445, 78.8906 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

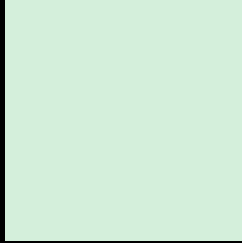
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.8041, 80.8445, 78.8906 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

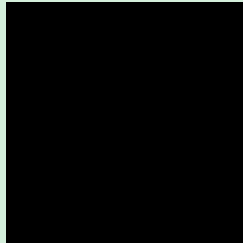
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

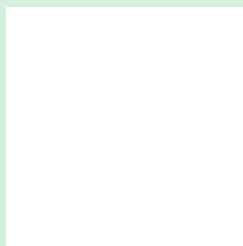
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 70.8041, 80.8445, 78.8906

## Background



This preview shows how black text looks on a background with the XYZ color 70.8041, 80.8445, 78.8906.



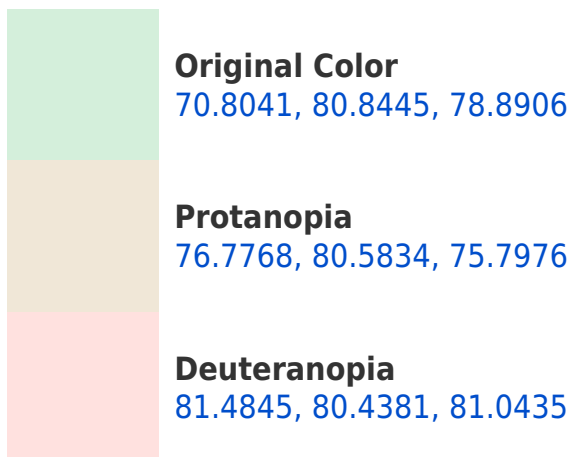
This preview shows how white text looks on a background with the XYZ color 70.8041, 80.8445,



# 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

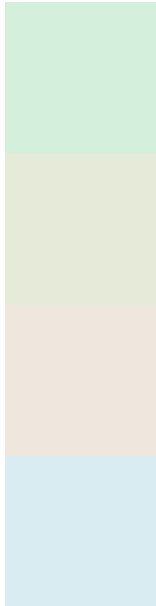




## Tritanopia

76.0659, 80.8429, 104.5236

# Trichromacy



**Original Color**

70.8041, 80.8445, 78.8906

**Protanomaly**

74.4506, 80.6265, 76.6043

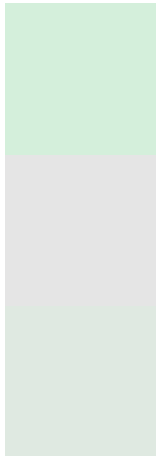
**Deuteranomaly**

77.0782, 80.2183, 80.5285

**Tritanomaly**

74.1915, 80.9407, 94.9319

# Monochromacy



**Original Color**

70.8041, 80.8445, 78.8906

**Achromatopsia**

74.4753, 78.3538, 85.3273

**Achromatomaly**

73.1609, 79.4020, 82.7043

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.8041, 80.8445, 78.8906 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(212, 239, 219)` looks like.

```
.text, #text, p{  
    color:rgb(212, 239, 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(212, 239, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 239, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 70.8041, 80.8445, 78.8906 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(212, 239, 219) }
```



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

```
.border{ border-color:rgb(212, 239, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 239, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 239, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 239, 219);  
box-shadow:4px 4px 4px 4px rgb(212, 239,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.8041, 80.8445, 78.8906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 239, 219) }
```

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

```
.background{ background-color: rgb(212,  
239, 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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