

# Converting Colors

XYZ(71.2520, 79.3074, 77.9108)

Have a look what the booklet for  
XYZ(71.2520, 79.3074, 77.9108)  
contains.

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# Color

**XYZ(71.2767, 79.3840,  
77.8956)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DAEBDA
RGB	218, 235, 218
RGB Percent	85%, 92%, 85%
CMY	0.1451, 0.0784, 0.1451
CMYK	0.07, 0.00, 0.07, 0.08
HSL	120°, 30%, 89%
HSV	120°, 7%, 92%
XYZ	71.2767, 79.3840, 77.8956
YIQ	227.9790, -4.6750, -8.8910

# Conversions

## Conversions Part 2

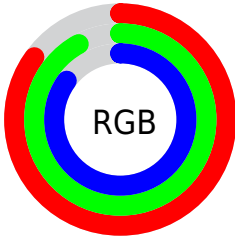
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	218, 235, 235
Decimal	14347226
CIE Lab	91.41, -8.70, 6.31
CIE LCh	91, 10.750, 144.048
Yxy	79.3840, 0.3119, 0.3473
Android (android.graphics.Color)	4292537306 (0xFFDAEBDA)
YUV	227.9790, -4.9196, -8.7516
Hunter-Lab	89.0977, -13.1239, 10.5328

# Details

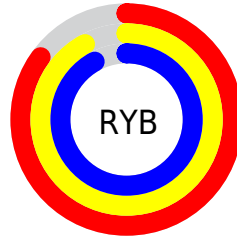
The XYZ color **71.2767, 79.3840, 77.8956** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.3307, 73.8052, 88.9294**, and the grayscale version is **73.7666, 77.6082, 84.5154**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.8352, 42.6711, 40.8925** is the 20% darker color. If you saturate the color by 10%, you get **61.8808, 74.8730, 62.5250**, and if you desaturate by 10%, it is **82.1095, 84.5899, 95.6128**.

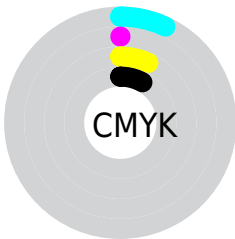
# Distribution



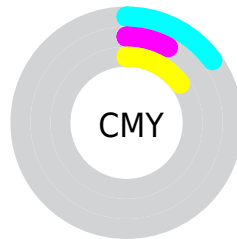
- Red (85%)
- Green (92%)
- Blue (85%)



- Red (85%)
- Yellow (92%)
- Blue (92%)



- Cyan (7%)
- Magenta (0%)
- Yellow (7%)
- Black (8%)



- Cyan (15%)
- Magenta (8%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.2767, 79.3840, 77.8956 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 71.2767, 79.3840, 77.8956 by changing the saturation by 10% instead.



71.2767, 79.3840,  
77.8956

71.2767, 79.3840,  
77.8956

454.2169,  
492.8544, 507.3307

52.8514, 59.2116,  
57.4723

120.0440,  
132.4993, 132.1875

37.9111, 42.7835,  
40.9727

151.1167,  
166.2110, 166.8931

26.0906, 29.7153,  
27.9782

187.1359,  
205.2046, 207.1966

17.0245, 19.6226,  
18.0703

228.4670,  
249.8644, 253.5165

10.3474, 12.1210,  
10.8305

275.4752,  
300.5749, 306.2713

5.6939, 6.8261,  
5.8402

328.5261,

2.6987, 3.3536,

357.7205, 365.8796

2.6810

387.9849,  
421.6856, 432.7599

■ 0.9965, 1.3190,  
0.9338

■ 0.0000, 0.1558,  
0.0000

■ 71.2767, 79.3840,  
77.8956

■ 71.2767, 79.3840,  
77.8956

■ 61.8808, 74.8730,  
62.5250

■ 82.1095, 84.5899,  
95.6128

■ 53.8553, 71.0180,  
49.3978

■ 88.9998, 87.8997,  
106.8833

■ 47.1382, 67.7914,  
38.4106

■ 41.6600, 65.1600,  
29.4501

■ 37.3452, 63.0873,  
22.3924

■ 34.1098, 61.5332,  
17.1002

■ 31.8585, 60.4518,  
13.4178

■ 30.4795, 59.7894,  
11.1622

■ 29.8268, 59.4758,  
10.0945

# Harmonies

## Analogous

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



73.3304, 79.3840, 73.4049



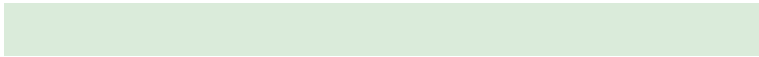
71.2767, 79.3840, 77.8956



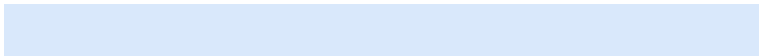
70.3441, 79.3840, 84.8841

# Triad

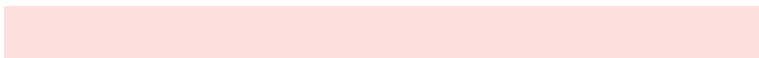
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.2767, 79.3840, 77.8956



74.9084, 79.3840, 102.2888



80.3546, 79.3840, 80.4455

# Complementary

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



71.2767, 79.3840, 77.8956



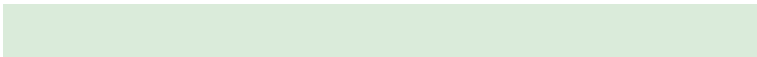
74.3307, 73.8052, 88.9294

# 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.



80.8016, 79.3840, 88.0061



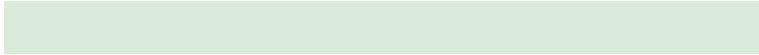
71.2767, 79.3840, 77.8956



77.6143, 79.3840, 100.9240

# Square

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



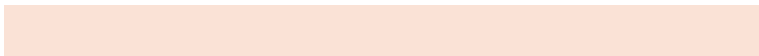
71.2767, 79.3840, 77.8956



72.4081, 79.3840, 99.2030



79.7875, 79.3840, 95.5782

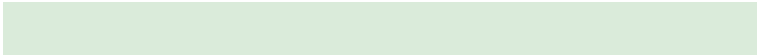


78.5803, 79.3840, 74.8137



# Rectangle

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



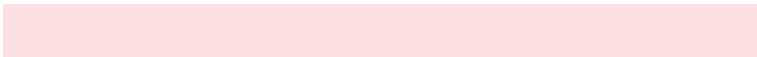
71.2767, 79.3840, 77.8956



70.4672, 79.3840, 90.1413



79.7875, 79.3840, 95.5782



80.6668, 79.3840, 82.8330

# Sweetspot

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



71.2789, 79.3874, 77.8973



92.3882, 98.7214, 104.5460



76.5465, 81.9826, 78.1206



19.8027, 21.1438, 22.4227



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

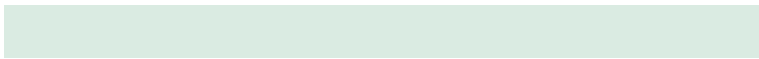
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.2789, 79.3874, 77.8973



83.6275, 94.5132, 90.2164



72.3815, 79.8284, 83.7035



14.8684, 16.8622, 15.9898



16.5340, 33.0681, 5.5113



1.2983, 2.5966, 0.4328



# Inverse Universe

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



74.3307, 73.8052, 88.9294



88.1607, 86.2214, 106.6036



73.1702, 73.3410, 82.8187



15.7149, 15.3138, 19.0498



27.4133, 13.1680, 44.8398

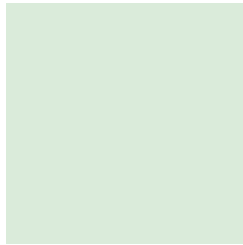


2.1526, 1.0340, 3.5210



# Previews

## White Background



This preview shows how the XYZ color 71.2767, 79.3840, 77.8956 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

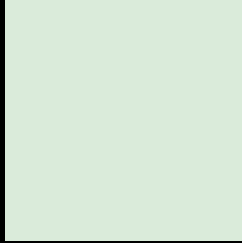
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.2767, 79.3840, 77.8956 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

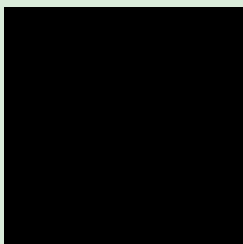
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

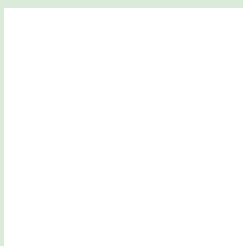
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.2767, 79.3840, 77.8956**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.2767, 79.3840, 77.8956.



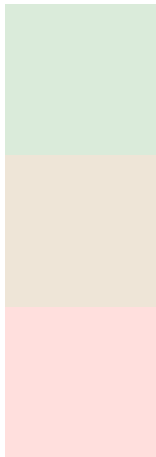
This preview shows how white text looks on a background with the XYZ color 71.2767, 79.3840,



# 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

71.2767, 79.3840, 77.8956

### Protanopia

75.5449, 79.1221, 75.5804

### Deuteranopia

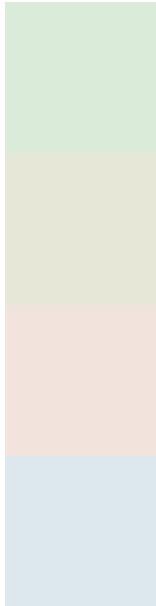
80.6788, 79.2558, 79.4523



## Tritanopia

75.8271, 79.1212, 100.8979

# Trichromacy



## Original Color

71.2767, 79.3840, 77.8956

## Protanomaly

73.9256, 79.0986, 76.3370

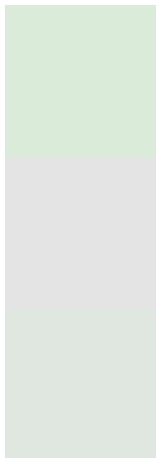
## Deuteranomaly

77.0053, 78.9827, 78.8967

## Tritanomaly

74.1080, 79.2584, 92.2814

# Monochromacy



## Original Color

71.2767, 79.3840, 77.8956

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

72.7709, 78.3809, 81.8146

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.2767, 79.3840, 77.8956 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(218, 235, 218)` looks like.

```
.text, #text, p{  
    color:rgb(218, 235, 218)  
}
```

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(218, 235, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 235, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 71.2767, 79.3840, 77.8956 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(218, 235, 218) }
```



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

```
.border{ border-color:rgb(218, 235, 218) }
```

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

Here you see how a box with a 4 pixel rgb(218, 235, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 235, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 235, 218);  
box-shadow:4px 4px 4px 4px rgb(218, 235,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.2767, 79.3840, 77.8956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 235, 218) }
```

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

```
.background{ background-color: rgb(218,  
235, 218) }
```

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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