

# Converting Colors

XYZ(70.3847, 78.9242, 77.8478)

Have a look what the booklet for  
XYZ(70.3847, 78.9242, 77.8478)  
contains.

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# Color

**XYZ(70.3876, 78.9257,  
77.8540)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D7EBDA
RGB	215, 235, 218
RGB Percent	84%, 92%, 85%
CMY	0.1569, 0.0784, 0.1451
CMYK	0.09, 0.00, 0.07, 0.08
HSL	129°, 33%, 88%
HSV	129°, 9%, 92%
XYZ	70.3876, 78.9257, 77.8540
YIQ	227.0820, -6.4630, -9.5270

# Conversions

## Conversions Part 2

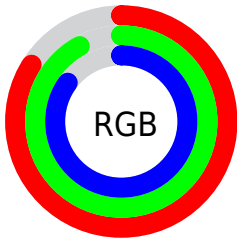
Format	Color
R <sub>Y</sub> B	215, 232, 235
Decimal	14150618
CIE Lab	91.20, -9.71, 5.99
CIE LCh	91, 11.404, 148.336
Yxy	78.9257, 0.3098, 0.3474
Android (android.graphics.Color)	4292340698 (0xFFD7EBDA)
YUV	227.0820, -4.4774, -10.5959
Hunter-Lab	88.8401, -14.0456, 10.2300

# Details

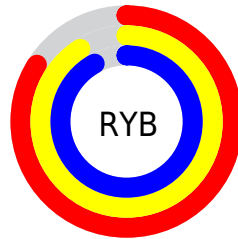
The XYZ color **70.3876, 78.9257, 77.8540** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.1298, 72.0913, 86.4085**, and the grayscale version is **73.1101, 76.9175, 83.7632**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.2282, 42.3581, 40.8641** is the 20% darker color. If you saturate the color by 10%, you get **61.5180, 74.6396, 64.6061**, and if you desaturate by 10%, it is **80.5680, 83.8556, 92.8112**.

# Distribution



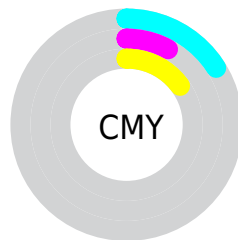
- Red (84%)
- Green (92%)
- Blue (85%)



- Red (84%)
- Yellow (91%)
- Blue (92%)



- Cyan (9%)
- Magenta (0%)
- Yellow (7%)
- Black (8%)



- Cyan (16%)
- Magenta (8%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.3876, 78.9257, 77.8540 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 70.3876, 78.9257, 77.8540 by changing the saturation by 10% instead.



70.3876, 78.9257,  
77.8540

70.3876, 78.9257,  
77.8540

451.1550,  
491.3050, 507.1856

52.1233, 58.8347,  
57.4383

118.7846,  
131.8543, 132.1283

37.3280, 42.4801,  
40.9455

149.6480,  
165.4606, 166.8240

25.6364, 29.4774,  
27.9572

185.4419,  
204.3409, 207.1167

16.6831, 19.4423,  
18.0546

226.5315,  
248.8795, 253.4251

10.1027, 11.9903,  
10.8194

273.2823,  
299.4608, 306.1676

5.5299, 6.7371,  
5.8329

326.0595,

2.5993, 3.2982,

356.4692, 365.7629

2.6766

385.2287,  
420.2891, 432.6294

■ 0.9456, 1.2893,  
0.9316

■ 0.0000, 0.1329,  
0.0000

■ 70.3876, 78.9257,  
77.8540

■ 70.3876, 78.9257,  
77.8540

■ 61.5180, 74.6396,  
64.6061

■ 80.5680, 83.8556,  
92.8112

■ 53.8993, 70.9609,  
53.0016

■ 88.9998, 87.8997,  
106.8833

■ 47.4769, 67.8653,  
42.9779

■ 42.1894, 65.3224,  
34.4666

■ 37.9702, 63.2995,  
27.3941

■ 34.7452, 61.7601,  
21.6809

■ 32.4311, 60.6630,  
17.2394

■ 30.9304, 59.9601,  
13.9720

■ 30.1070, 59.5836,  
11.7661

# Harmonies

## Analogous

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



72.4109, 78.9257, 72.6822



70.3876, 78.9257, 77.8540



69.6004, 78.9257, 85.4756

# Triad

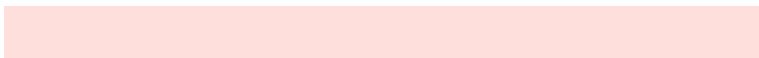
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.3876, 78.9257, 77.8540



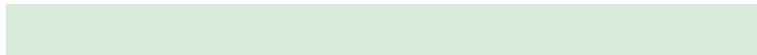
74.8554, 78.9257, 102.8380



80.0123, 78.9257, 78.6054

# Complementary

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



70.3876, 78.9257, 77.8540



73.1298, 72.0913, 86.4085

# 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.



80.7066, 78.9257, 86.3993



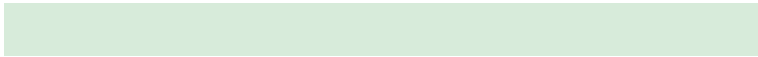
70.3876, 78.9257, 77.8540



77.6838, 78.9257, 100.7119

# Square

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



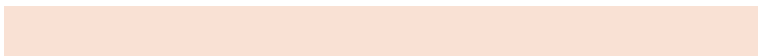
70.3876, 78.9257, 77.8540



72.1385, 78.9257, 100.1994



79.8440, 78.9257, 94.5602



77.9701, 78.9257, 73.0960



# Rectangle

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



70.3876, 78.9257, 77.8540



69.8668, 78.9257, 91.0387



79.8440, 78.9257, 94.5602



80.4133, 78.9257, 81.0289

# Sweetspot

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



70.3898, 78.9291, 77.8557



91.2619, 98.1661, 103.3499



75.3644, 81.5385, 76.0575



19.3224, 20.9093, 21.8105



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

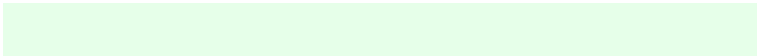


# Same Dimension

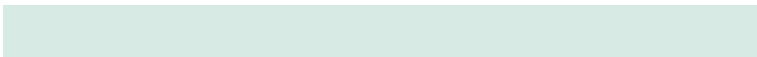
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.3898, 78.9291, 77.8557



82.9872, 94.1621, 91.1351



71.6926, 79.4502, 84.7161



14.9604, 16.8990, 16.4742



16.7336, 33.1479, 6.5624



1.3423, 2.6142, 0.6645



# Inverse Universe

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



73.1298, 72.0913, 86.4085



86.8382, 84.5518, 103.1553



71.7935, 71.5568, 79.3718



15.6121, 15.2727, 18.5084



24.8920, 12.1595, 31.5621

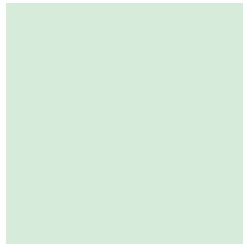


1.9810, 0.9654, 2.6173



# Previews

## White Background



This preview shows how the XYZ color 70.3876, 78.9257, 77.8540 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

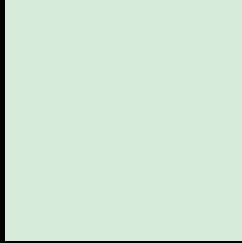
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.3876, 78.9257, 77.8540 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

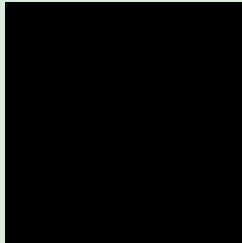
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

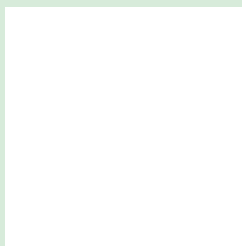
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 70.3876, 78.9257, 77.8540**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.3876, 78.9257, 77.8540.



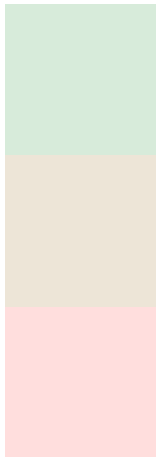
This preview shows how white text looks on a background with the XYZ color 70.3876, 78.9257,



# 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

70.3876, 78.9257, 77.8540

### Protanopia

75.2101, 78.9494, 75.5647

### Deuteranopia

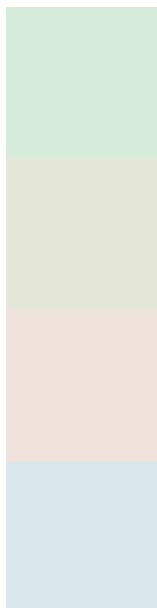
80.4124, 78.7230, 79.3635



## Tritanopia

74.9109, 78.6488, 100.8550

# Trichromacy



## Original Color

70.3876, 78.9257, 77.8540

## Protanomaly

73.2837, 78.7677, 76.3070

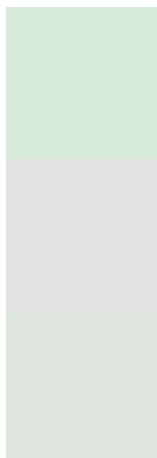
## Deuteranomaly

76.3225, 78.6307, 78.8648

## Tritanomaly

73.2027, 78.7917, 92.2390

# Monochromacy



## Original Color

70.3876, 78.9257, 77.8540

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

72.1828, 77.6634, 81.7071

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.3876, 78.9257, 77.8540 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(215, 235, 218)` looks like.

```
.text, #text, p{  
    color:rgb(215, 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(215, 235, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 235, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 70.3876, 78.9257, 77.8540 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(215, 235, 218) }
```



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

```
.border{ border-color:rgb(215, 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(215, 235, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 235, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 235, 218); box-shadow:4px 4px 4px 4px rgb(215, 235, 218) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.3876, 78.9257, 77.8540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 235, 218) }
```

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

```
.background{ background-color: rgb(215,  
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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