

Converting Colors

XYZ(68.4303, 78.9764, 74.1271)

Have a look what the booklet for
XYZ(68.4303, 78.9764, 74.1271)
contains.

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Color

**XYZ(68.1803, 78.7317,
73.8906)**

Conversions

Conversions Part 1

Format	Color
Hex	D0EDD4
RGB	208, 237, 212
RGB Percent	82%, 93%, 83%
CMY	0.1843, 0.0706, 0.1686
CMYK	0.12, 0.00, 0.11, 0.07
HSL	128°, 45%, 87%
HSV	128°, 12%, 93%
XYZ	68.1803, 78.7317, 73.8906
YIQ	225.4790, -9.2590, -13.9230

Conversions

Conversions Part 2

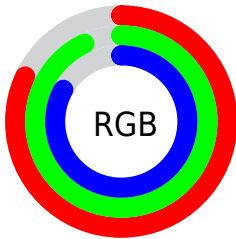
Format	Color
R_{YB}	208, 233, 237
Decimal	13692372
CIE _{Lab}	91.11, -14.11, 8.92
CIE _{LCh}	91, 16.692, 147.686
Yxy	78.7317, 0.3088, 0.3566
Android (android.graphics.Color)	4291882452 (0xFFD0EDD4)
YUV	225.4790, -6.6451, -15.3291
Hunter-Lab	88.7309, -18.1207, 12.7379

Details

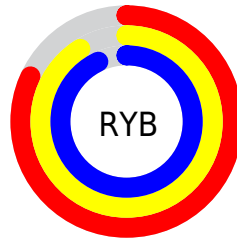
The XYZ color **68.1803, 78.7317, 73.8906** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.1918, 69.0015, 86.6083**, and the grayscale version is **71.9657, 75.7135, 82.4520**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.7465, 42.2544, 38.1702** is the 20% darker color. If you saturate the color by 10%, you get **59.5919, 74.5857, 60.8754**, and if you desaturate by 10%, it is **78.0950, 83.5282, 88.6737**.

Distribution



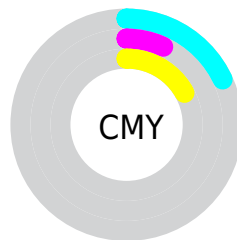
- Red (82%)
- Green (93%)
- Blue (83%)



- Red (82%)
- Yellow (91%)
- Blue (93%)



- Cyan (12%)
- Magenta (0%)
- Yellow (11%)
- Black (7%)



- Cyan (18%)
- Magenta (7%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1803, 78.7317, 73.8906 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 68.1803, 78.7317, 73.8906 by changing the saturation by 10% instead.

68.1803, 78.7317,
73.8906

68.1803, 78.7317,
73.8906

443.5013,
490.6482, 493.2490

50.3186, 58.6752,
54.2083

115.6505,
131.5811, 126.4733

35.8855, 42.3517,
38.3739

145.9898,
165.1428, 160.2108

24.5155, 29.3768,
25.9689

181.2190,
203.9750, 199.4704

15.8432, 19.3661,
16.5748

221.7035,
248.4622, 244.6706

9.5034, 11.9351,
9.7731

267.8086,
298.9887, 296.2301

5.1307, 6.6995,
5.1451

319.8997,

2.3597, 3.2749,

355.9390, 354.5672

2.2724

378.3421,
419.6974, 420.1007

■ 0.8250, 1.2769,
0.7157

■ 0.0000, 0.1232,
0.0000

■ 68.1803, 78.7317,
73.8906

■ 68.1803, 78.7317,
73.8906

■ 59.5919, 74.5857,
60.8754

■ 78.0950, 83.5282,
88.6737

■ 52.2671, 71.0525,
49.5570

■ 89.2338, 88.9146,
105.2752

■ 46.1479, 68.1061,
39.8669

■ 89.5757, 89.0514,
107.0752

■ 41.1692, 65.7144,
31.7302

■ 37.2595, 63.8423,
25.0661

■ 34.3394, 62.4508,
19.7863

■ 32.3181, 61.4951,
15.7933

■ 31.0875, 60.9218,
12.9765

■ 30.5558, 60.6794,
11.5178

Harmonies

Analogous

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



71.1241, 78.7317, 66.7458



68.1803, 78.7317, 73.8906



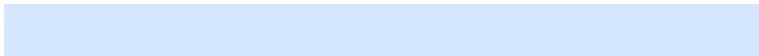
67.0119, 78.7317, 84.7903

Triad

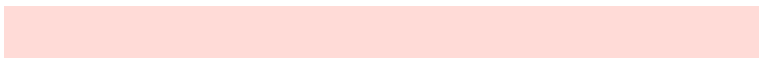
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.1803, 78.7317, 73.8906



74.5049, 78.7317, 111.1113



82.2517, 78.7317, 75.3728

Complementary

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



68.1803, 78.7317, 73.8906



72.1918, 69.0015, 86.6083

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.



83.2382, 78.7317, 86.6675



68.1803, 78.7317, 73.8906



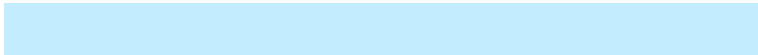
78.6668, 78.7317, 107.9998

Square

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



68.1803, 78.7317, 73.8906



70.5768, 78.7317, 106.9086



81.9031, 78.7317, 98.7610



79.2551, 78.7317, 67.5434

Rectangle

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



68.1803, 78.7317, 73.8906



67.3628, 78.7317, 92.9826



81.9031, 78.7317, 98.7610



82.8342, 78.7317, 78.8560

Sweetspot

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



68.1825, 78.7351, 73.8923



90.0128, 97.5631, 101.4426



75.3204, 82.4724, 71.6245



19.0699, 20.7875, 21.4210



0.0000, 0.0000, 0.0000



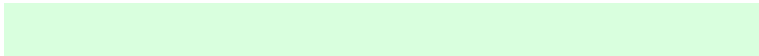
20.3446, 21.4041, 23.3091

Same Dimension

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



68.1825, 78.7351, 73.8923



77.4892, 91.5087, 82.7039



70.0770, 79.4928, 83.8686



14.9529, 16.8960, 16.4349



16.7092, 33.1381, 6.4337



1.3388, 2.6128, 0.6458

Inverse Universe

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



72.1918, 69.0015, 86.6083



83.2006, 77.6418, 100.8175



70.2214, 68.2133, 76.2325



15.6203, 15.2760, 18.5515



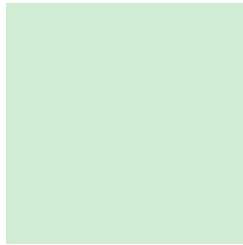
25.0753, 12.2328, 32.5275



1.9937, 0.9704, 2.6840

Previews

White Background



This preview shows how the XYZ color 68.1803, 78.7317, 73.8906 looks on a white background.

Color Contrast Check

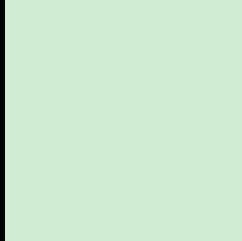
Large Text (above 18pt) WCAG AA × Fail

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 68.1803, 78.7317, 73.8906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

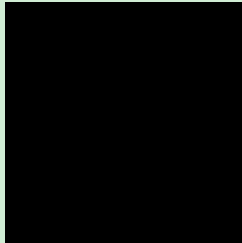
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

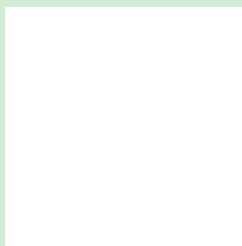
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.1803, 78.7317, 73.8906

Background



This preview shows how black text looks on a background with the XYZ color 68.1803, 78.7317, 73.8906.



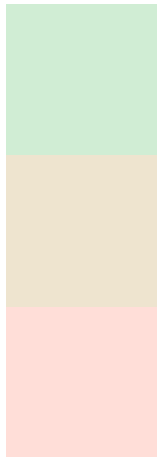
This preview shows how white text looks on a background with the XYZ color 68.1803, 78.7317,

73.8906.

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

68.1803, 78.7317, 73.8906

Protanopia

74.2658, 78.1689, 70.2054

Deuteranopia

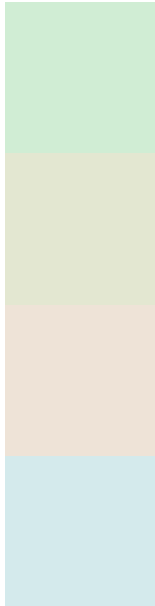
79.7559, 78.4604, 75.9065



Tritanopia

73.8435, 78.9115, 101.7820

Trichromacy



Original Color

68.1803, 78.7317, 73.8906

Protanomaly

71.7631, 78.0862, 71.6114

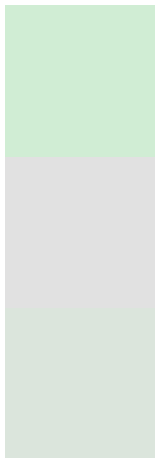
Deuteranomaly

74.9947, 78.0216, 75.3970

Tritanomaly

71.7145, 78.8988, 90.8061

Monochromacy



Original Color

68.1803, 78.7317, 73.8906

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.1510, 76.2660, 78.7336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1803, 78.7317, 73.8906 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(208, 237, 212)` looks like.

```
.text, #text, p{  
    color:rgb(208, 237, 212)  
}
```

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(208, 237, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 237, 212) }
```

Border

The CSS property to change the border of an element to XYZ 68.1803, 78.7317, 73.8906 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(208, 237, 212) }
```


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

```
.border{ border-color:rgb(208, 237, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 237, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 237, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 237, 212);  
box-shadow:4px 4px 4px 4px rgb(208, 237,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1803, 78.7317, 73.8906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 237, 212) }
```

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

```
.background{ background-color: rgb(208,  
237, 212) }
```

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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