

Converting Colors

XYZ(68.0770, 78.4559, 79.1150)

Have a look what the booklet for
XYZ(68.0770, 78.4559, 79.1150)
contains.

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Color

**XYZ(68.1043, 78.5730,
79.2868)**

Conversions

Conversions Part 1

Format	Color
Hex	CCEDDC
RGB	204, 237, 220
RGB Percent	80%, 93%, 86%
CMY	0.2000, 0.0706, 0.1372
CMYK	0.14, 0.00, 0.07, 0.07
HSL	149°, 48%, 86%
HSV	149°, 14%, 93%
XYZ	68.1043, 78.5730, 79.2868
YIQ	225.1950, -14.2110, -12.2830

Conversions

Conversions Part 2

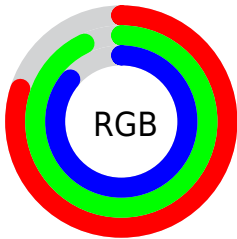
Format	Color
R_{YB}	204, 226, 237
Decimal	13430236
CIE _{Lab}	91.04, -13.96, 4.62
CIE _{LCh}	91, 14.707, 161.690
Y _{xy}	78.5730, 0.3014, 0.3477
Android (android.graphics.Color)	4291620316 (0xFFCCEDDC)
YUV	225.1950, -2.5611, -18.5880
Hunter-Lab	88.6414, -17.9787, 9.0161

Details

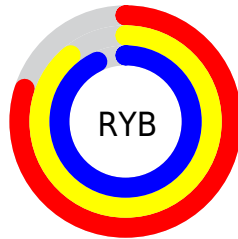
The XYZ color **68.1043, 78.5730, 79.2868** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.5719, 66.4127, 77.5623**, and the grayscale version is **71.7352, 75.4710, 82.1880**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.8931, 42.2484, 41.8603** is the 20% darker color. If you saturate the color by 10%, you get **60.5378, 74.8546, 70.7977**, and if you desaturate by 10%, it is **76.7819, 82.8549, 88.4479**.

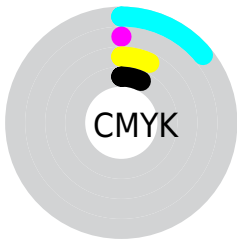
Distribution



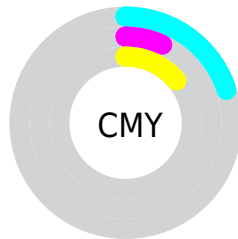
- Red (80%)
- Green (93%)
- Blue (86%)



- Red (80%)
- Yellow (89%)
- Blue (93%)



- Cyan (14%)
- Magenta (0%)
- Yellow (7%)
- Black (7%)



- Cyan (20%)
- Magenta (7%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1043, 78.5730, 79.2868 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 68.1043, 78.5730, 79.2868 by changing the saturation by 10% instead.

68.1043, 78.5730,
79.2868

68.1043, 78.5730,
79.2868

443.2364,
490.1106, 512.1693

50.2566, 58.5448,
58.6089

115.5424,
131.3576, 134.1649

35.8359, 42.2468,
41.8805

145.8635,
164.8827, 169.2021

24.4770, 29.2946,
28.6828

181.0732,
203.6756, 209.8630

15.8145, 19.3038,
18.5975

221.5367,
248.1207, 256.5659

9.4830, 11.8900,
11.2059

267.6194,
298.6024, 309.7294

5.1172, 6.6688,
6.0896

319.6867,

2.3516, 3.2559,

355.5050, 369.7722

2.8300

378.1039,
419.2129, 437.1126

■ 0.8209, 1.2667,
1.0085

■ 0.0000, 0.1152,
0.0000

■ 68.1043, 78.5730,
79.2868

■ 68.1043, 78.5730,
79.2868

■ 60.5378, 74.8546,
70.7977

■ 76.7819, 82.8549,
88.4479

■ 54.0287, 71.6657,
62.9600

■ 86.6080, 87.7128,
98.2904

■ 48.5286, 68.9841,
55.7596

■ 89.5756, 89.0513,
107.0752

■ 43.9829, 66.7815,
49.1800

■ 40.3311, 65.0275,
43.2037

■ 37.5056, 63.6873,
37.8125

■ 35.4286, 62.7212,
32.9871

■ 34.0056, 62.0809,
28.7063

■ 33.3744, 61.8068,
26.3604

Harmonies

Analogous

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



70.0313, 78.5730, 71.1702



68.1043, 78.5730, 79.2868



67.9038, 78.5730, 89.7642

Triad

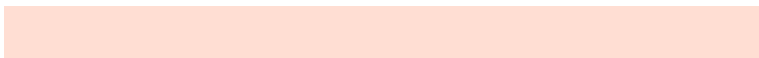
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.1043, 78.5730, 79.2868



76.1377, 78.5730, 107.1852



80.1422, 78.5730, 72.6574

Complementary

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



68.1043, 78.5730, 79.2868



69.5719, 66.4127, 77.5623

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.



81.8954, 78.5730, 81.4749



68.1043, 78.5730, 79.2868



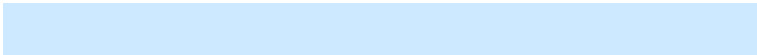
79.5327, 78.5730, 101.7529

Square

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



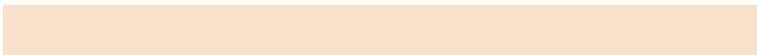
68.1043, 78.5730, 79.2868



72.4601, 78.5730, 106.4764



81.6686, 78.5730, 92.1402



76.9474, 78.5730, 67.5670

Rectangle

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



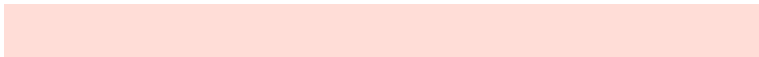
68.1043, 78.5730, 79.2868



68.7678, 78.5730, 96.7534



81.6686, 78.5730, 92.1402



80.9244, 78.5730, 75.2515

Sweetspot

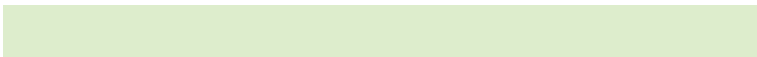
The Sweet Spot groups the original color and five complimentary colors.



68.1065, 78.5763, 79.2885



90.5618, 97.7827, 104.3338



71.0200, 80.3115, 68.8864



19.2085, 20.8429, 22.1510



0.0000, 0.0000, 0.0000



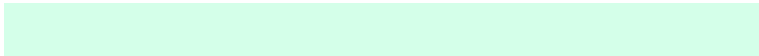
20.3446, 21.4041, 23.3091

Same Dimension

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



68.1065, 78.5763, 79.2885



77.4709, 91.3292, 90.3861



70.3945, 79.4915, 91.3371



15.1726, 16.9839, 17.5917



18.2861, 33.7689, 14.7376



1.4843, 2.6710, 1.4123

Inverse Universe

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



69.5719, 66.4127, 77.5623



79.5451, 74.1118, 87.9423



67.4855, 65.5782, 66.5754



15.3895, 15.1836, 17.3362



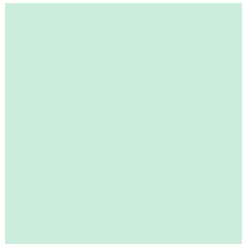
21.0559, 10.6250, 11.3614



1.7020, 0.8538, 1.1481

Previews

White Background



This preview shows how the XYZ color 68.1043, 78.5730, 79.2868 looks on a white background.

Color Contrast Check

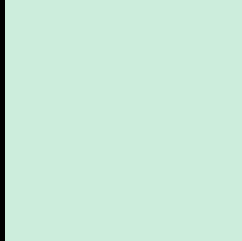
Large Text (above 18pt) WCAG AA × Fail

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 68.1043, 78.5730, 79.2868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

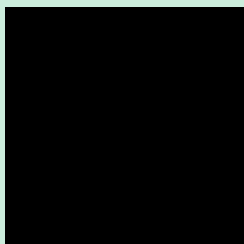
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

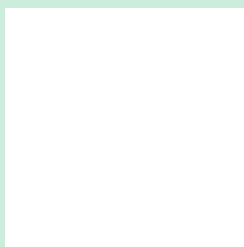
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.1043, 78.5730, 79.2868

Background



This preview shows how black text looks on a background with the XYZ color 68.1043, 78.5730, 79.2868.



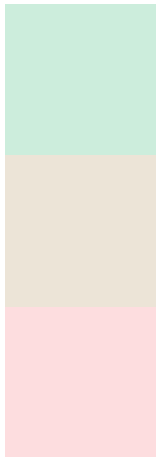
This preview shows how white text looks on a background with the XYZ color 68.1043, 78.5730,

79.2868.

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

68.1043, 78.5730, 79.2868

Protanopia

74.6012, 78.2260, 75.4572

Deuteranopia

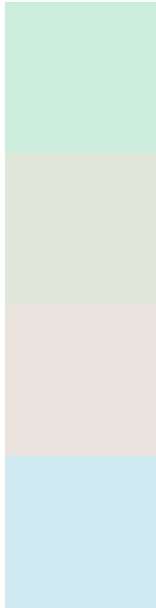
79.6837, 77.9233, 80.6529



Tritanopia

72.5637, 78.2336, 102.5429

Trichromacy



Original Color

68.1043, 78.5730, 79.2868

Protanomaly

71.8408, 78.0089, 76.9164

Deuteranomaly

74.9149, 77.8743, 80.1900

Tritanomaly

70.8831, 78.4023, 93.8353

Monochromacy



Original Color

68.1043, 78.5730, 79.2868

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

69.9539, 76.1180, 80.8173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1043, 78.5730, 79.2868 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(204, 237, 220)` looks like.

```
.text, #text, p{  
    color:rgb(204, 237, 220)  
}
```

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(204, 237, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 237, 220) }
```

Border

The CSS property to change the border of an element to XYZ 68.1043, 78.5730, 79.2868 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(204, 237, 220) }
```


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

```
.border{ border-color:rgb(204, 237, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 237, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 237, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 237, 220);  
box-shadow:4px 4px 4px 4px rgb(204, 237,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1043, 78.5730, 79.2868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 237, 220) }
```

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

```
.background{ background-color: rgb(204,  
237, 220) }
```

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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