

Converting Colors

XYZ(68.9326, 79.2593, 87.7861)

Have a look what the booklet for
XYZ(68.9326, 79.2593, 87.7861)
contains.

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Color

**XYZ(68.9594, 79.2546,
88.0071)**

Conversions

Conversions Part 1

Format	Color
Hex	C8EEE8
RGB	200, 238, 232
RGB Percent	78%, 93%, 91%
CMY	0.2157, 0.0666, 0.0902
CMYK	0.16, 0.00, 0.03, 0.07
HSL	171°, 53%, 86%
HSV	171°, 16%, 93%
XYZ	68.9594, 79.2546, 88.0071
YIQ	225.9540, -20.7220, -9.9220

Conversions

Conversions Part 2

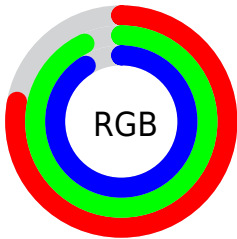
Format	Color
R _Y B	200, 221, 238
Decimal	13168360
CIE Lab	91.35, -13.43, -1.22
CIE LCh	91, 13.483, 185.175
Yxy	79.2546, 0.2919, 0.3355
Android (android.graphics.Color)	4291358440 (0xFFC8EEE8)
YUV	225.9540, 2.9807, -22.7617
Hunter-Lab	89.0251, -17.5266, 3.7055

Details

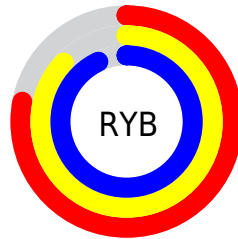
The XYZ color **68.9594, 79.2546, 88.0071** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.0575, 63.9440, 67.2039**, and the grayscale version is **72.2472, 76.0097, 82.7745**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.4185, 42.7015, 47.3970** is the 20% darker color. If you saturate the color by 10%, you get **62.5633, 76.0205, 84.9511**, and if you desaturate by 10%, it is **76.3609, 83.0100, 91.1732**.

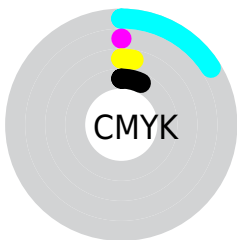
Distribution



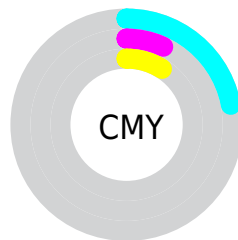
- Red (78%)
- Green (93%)
- Blue (91%)



- Red (78%)
- Yellow (87%)
- Blue (93%)



- Cyan (16%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)



- Cyan (22%)
- Magenta (7%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.9594, 79.2546, 88.0071 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 68.9594, 79.2546, 88.0071 by changing the saturation by 10% instead.

68.9594, 79.2546,
88.0071

68.9594, 79.2546,
88.0071

446.2114,
492.4172, 541.9284

50.9552, 59.1052,
65.7646

116.7580,
132.3172, 146.4783

36.3938, 42.6978,
47.6260

147.2830,
165.9992, 183.5440

24.9100, 29.6481,
33.1730

182.7124,
204.9608, 226.3879

16.1384, 19.5716,
21.9868

223.4114,
249.5865, 275.4284

9.7136, 12.0840,
13.6490

269.7455,
300.2605, 331.0842

5.2703, 6.8009,
7.7410

322.0799,

2.4431, 3.3379,

357.3674, 393.7738

3.8443

380.7801,
421.2915, 463.9157

0.8666, 1.3106,
1.5403

0.0000, 0.1494,
0.2477

68.9594, 79.2546,
88.0071

68.9594, 79.2546,
88.0071

62.5633, 76.0205,
84.9511

76.3609, 83.0100,
91.1732

57.1201, 73.2742,
81.9973

84.8039, 87.2988,
94.4463

52.5829, 70.9936,
79.1448

88.0361, 88.9000,
97.5360

48.8978, 69.1510,
76.3907

88.6107, 89.1299,
100.5620

■ 46.0053, 67.7157,
73.7319

■ 89.1971, 89.3644,
103.6496

■ 43.8383, 66.6531,
71.1648

■ 89.7952, 89.6037,
106.7993

■ 42.3182, 65.9228,
68.6854

■ 89.8660, 89.6320,
107.1720

■ 41.3478, 65.4746,
66.2887

■ 41.0491, 65.3412,
65.3425

Harmonies

Analogous

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



69.5092, 79.2546, 78.6166



68.9594, 79.2546, 88.0071



70.0737, 79.2546, 97.6214

Triad

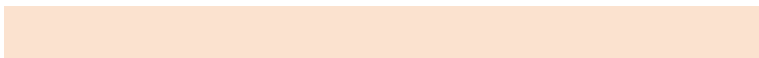
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.9594, 79.2546, 88.0071



79.1867, 79.2546, 102.6462



78.1278, 79.2546, 70.2851

Complementary

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



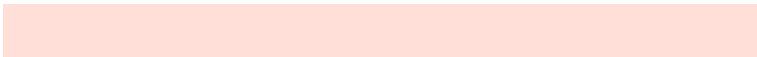
68.9594, 79.2546, 88.0071



67.0575, 63.9440, 67.2039

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.



80.8409, 79.2546, 75.8800



68.9594, 79.2546, 88.0071



81.4651, 79.2546, 94.4573

Square

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



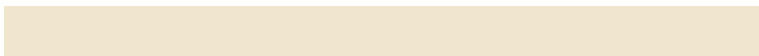
68.9594, 79.2546, 88.0071



75.9247, 79.2546, 106.4726



82.0795, 79.2546, 84.6048



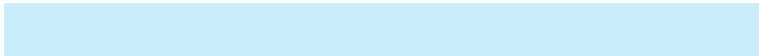
74.7367, 79.2546, 68.8423

Rectangle

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



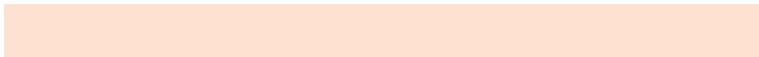
68.9594, 79.2546, 88.0071



71.6308, 79.2546, 102.7205



82.0795, 79.2546, 84.6048



79.1526, 79.2546, 71.7207

Sweetspot

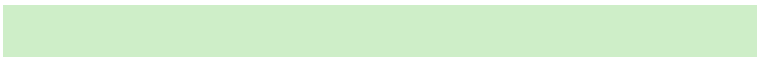
The Sweet Spot groups the original color and five complimentary colors.



68.9617, 79.2579, 88.0089



90.1912, 97.5325, 106.9888



66.5485, 78.4921, 66.2878



19.1638, 20.8045, 22.8431



0.0000, 0.0000, 0.0000



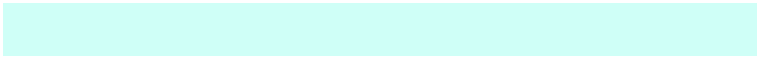
20.3446, 21.4041, 23.3091

Same Dimension

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



68.9617, 79.2579, 88.0089



78.2086, 91.4575, 101.8073



66.2698, 72.4860, 91.3911



16.1338, 17.8836, 19.7276



22.9401, 36.4681, 36.6633



1.9369, 3.0452, 3.2003

Inverse Universe

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



67.0575, 63.9440, 67.2039



75.6076, 70.5333, 73.3840



69.3984, 69.7707, 64.4542



15.8746, 15.7996, 16.8959



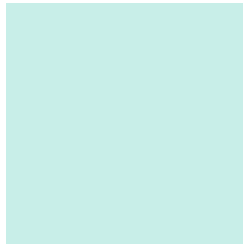
19.8933, 10.2297, 2.0886



1.6850, 0.8631, 0.3323

Previews

White Background



This preview shows how the XYZ color 68.9594, 79.2546, 88.0071 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 68.9594, 79.2546, 88.0071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

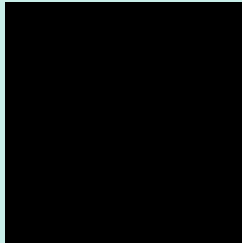
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

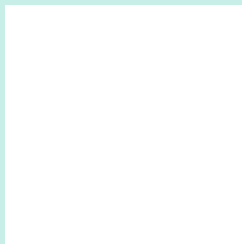
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.9594, 79.2546, 88.0071

Background



This preview shows how black text looks on a background with the XYZ color 68.9594, 79.2546, 88.0071.

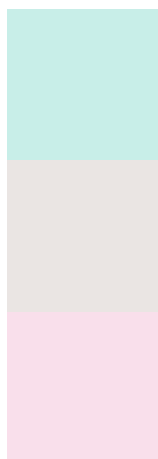


This preview shows how white text looks on a background with the XYZ color 68.9594, 79.2546,

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

68.9594, 79.2546, 88.0071

Protanopia

75.8161, 79.0771, 83.9405

Deuteranopia

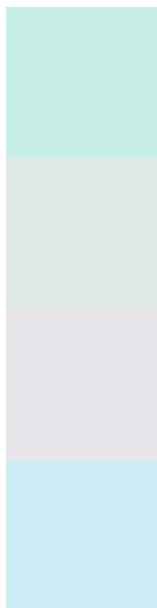
80.4500, 78.9132, 89.5889



Tritanopia

72.3398, 79.3459, 104.4311

Trichromacy



Original Color

68.9594, 79.2546, 88.0071

Protanomaly

73.1237, 78.9000, 85.5039

Deuteranomaly

75.5497, 78.4162, 88.9959

Tritanomaly

71.1055, 79.2800, 97.9411

Monochromacy



Original Color

68.9594, 79.2546, 88.0071

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

70.9157, 76.9468, 84.5133

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9594, 79.2546, 88.0071 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(200, 238, 232)` looks like.

```
.text, #text, p{  
    color:rgb(200, 238, 232)  
}
```

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(200, 238, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 238, 232) }
```

Border

The CSS property to change the border of an element to XYZ 68.9594, 79.2546, 88.0071 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(200, 238, 232) }
```


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

```
.border{ border-color:rgb(200, 238, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 238, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 238, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 238, 232);  
box-shadow:4px 4px 4px 4px rgb(200, 238,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9594, 79.2546, 88.0071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 238, 232) }
```

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

```
.background{ background-color: rgb(200,  
238, 232) }
```

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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