

Converting Colors

XYZ(67.9718, 75.9081, 92.6642)

Have a look what the booklet for
XYZ(67.9718, 75.9081, 92.6642)
contains.

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Color

**XYZ(67.9898, 76.0873,
92.7642)**

Conversions

Conversions Part 1

Format	Color
Hex	C7E8EF
RGB	199, 232, 239
RGB Percent	78%, 91%, 94%
CMY	0.2196, 0.0902, 0.0627
CMYK	0.17, 0.03, 0.00, 0.06
HSL	190°, 56%, 86%
HSV	190°, 17%, 94%
XYZ	67.9898, 76.0873, 92.7642
YIQ	222.9310, -21.9150, -4.8190

Conversions

Conversions Part 2

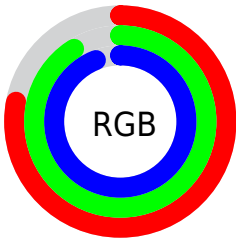
Format	Color
R _Y B	199, 217, 239
Decimal	13101295
CIE Lab	89.90, -9.30, -7.01
CIE LCh	90, 11.645, 217.033
Yxy	76.0873, 0.2871, 0.3213
Android (android.graphics.Color)	4291291375 (0xFFC7E8EF)
YUV	222.9310, 7.9220, -20.9875
Hunter-Lab	87.2280, -13.5174, -1.9934

Details

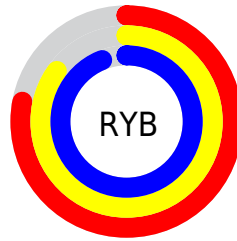
The XYZ color **67.9898, 76.0873, 92.7642** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.9774, 66.6169, 63.3099**, and the grayscale version is **70.0487, 73.6967, 80.2557**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.7496, 40.4893, 50.7308** is the 20% darker color. If you saturate the color by 10%, you get **60.9774, 70.7479, 92.1044**, and if you desaturate by 10%, it is **76.0305, 82.0024, 93.4833**.

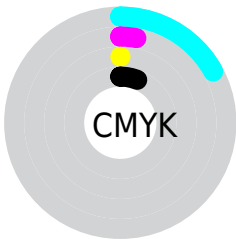
Distribution



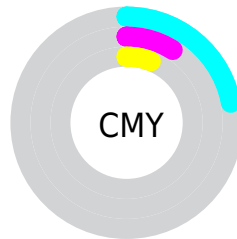
- Red (78%)
- Green (91%)
- Blue (94%)



- Red (78%)
- Yellow (85%)
- Blue (94%)



- Cyan (17%)
- Magenta (3%)
- Yellow (0%)
- Black (6%)



- Cyan (22%)
- Magenta (9%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.9898, 76.0873, 92.7642 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 67.9898, 76.0873, 92.7642 by changing the saturation by 10% instead.

67.9898, 76.0873,
92.7642

67.9898, 76.0873,
92.7642

442.8372,
481.6465, 557.7827

50.1631, 56.5041,
69.6890

115.3795,
127.8503, 153.1410

35.7613, 40.6072,
50.7978

145.6733,
160.7989, 191.2796

24.4192, 28.0123,
35.6721

180.8534,
198.9714, 235.2765

15.7713, 18.3349,
23.8934

221.2852,
242.7522, 285.5500

9.4523, 11.1907,
15.0431

267.3342,
292.5257, 342.5189

5.0968, 6.1953,
8.7027

319.3656,

2.3395, 2.9642,

348.6764, 406.6016

4.4536

377.7448,
411.5885, 478.2167

■ 0.8148, 1.1131,
1.8773

■ 0.0000, 0.0000,
0.4783

■ 67.9898, 76.0873,
92.7642

■ 67.9898, 76.0873,
92.7642

■ 60.9774, 70.7479,
92.1044

■ 76.0305, 82.0024,
93.4833

■ 54.9402, 65.9505,
91.4966

■ 85.1365, 88.5064,
94.2588

■ 49.8300, 61.6721,
90.9401

■ 89.3357, 92.5231,
94.8128

■ 45.5922, 57.8840,
90.4323

■ 90.6118, 95.0752,
95.2381

■ 42.1660, 54.5547,
89.9703

■ 91.9166, 97.6848,
95.6731

■ 39.4825, 51.6485,
89.5508

■ 92.5802, 99.0121,
95.8943

■ 37.4612, 49.1234,
89.1699

■ 36.0000, 46.9266,
88.8229

■ 35.5906, 46.2529,
88.7144

Harmonies

Analogous

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



66.9636, 76.0873, 84.8022



67.9898, 76.0873, 92.7642



70.1805, 76.0873, 98.3144

Triad

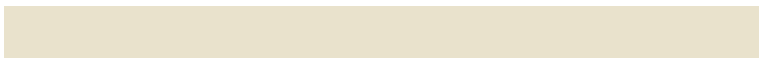
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.9898, 76.0873, 92.7642



77.5353, 76.0873, 89.1863



71.6431, 76.0873, 68.0892

Complementary

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



67.9898, 76.0873, 92.7642



67.9774, 66.6169, 63.3099

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.



74.4999, 76.0873, 69.0919



67.9898, 76.0873, 92.7642



77.9520, 76.0873, 80.9204

Square

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



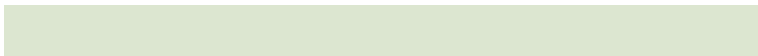
67.9898, 76.0873, 92.7642



75.7036, 76.0873, 96.1549



76.8275, 76.0873, 73.6615



69.0362, 76.0873, 70.8258

Rectangle

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



67.9898, 76.0873, 92.7642



72.0326, 76.0873, 99.7054



76.8275, 76.0873, 73.6615



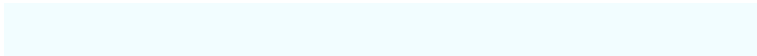
72.6055, 76.0873, 68.0033

Sweetspot

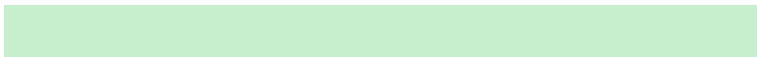
The Sweet Spot groups the original color and five complimentary colors.



67.9920, 76.0904, 92.7659



89.8064, 96.2468, 108.4519



65.5212, 78.3165, 69.8452



19.0699, 20.4909, 23.2000



0.0000, 0.0000, 0.0000



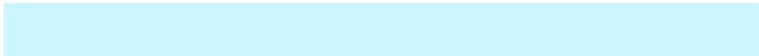
20.3446, 21.4041, 23.3091

Same Dimension

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



67.9920, 76.0904, 92.7659



75.9316, 86.0169, 107.2086



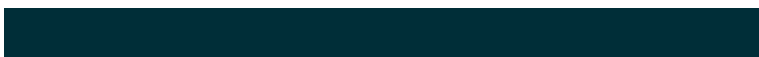
62.7615, 65.6295, 91.0224



15.9984, 17.4310, 20.2429



19.7545, 25.7332, 49.0537



1.7045, 2.2630, 4.1012

Inverse Universe

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



70.5873, 65.0255, 85.1783



79.4795, 71.1044, 96.7877



73.0125, 76.6872, 64.9883



16.3287, 15.9812, 19.2869



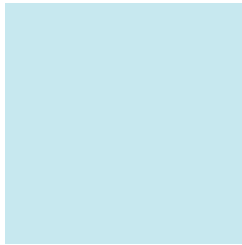
25.2968, 12.3911, 30.5431



2.1353, 1.0432, 2.7033

Previews

White Background



This preview shows how the XYZ color 67.9898, 76.0873, 92.7642 looks on a white background.

Color Contrast Check

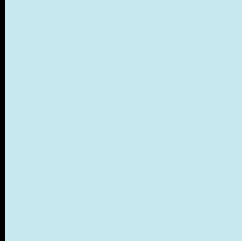
Large Text (above 18pt) WCAG AA × Fail

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 67.9898, 76.0873, 92.7642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

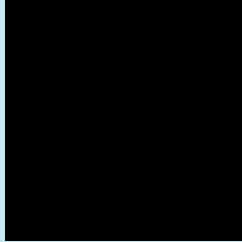
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.9898, 76.0873, 92.7642

Background



This preview shows how black text looks on a background with the XYZ color 67.9898, 76.0873, 92.7642.



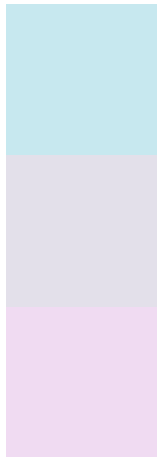
This preview shows how white text looks on a background with the XYZ color 67.9898, 76.0873,

92.7642.

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

67.9898, 76.0873, 92.7642

Protanopia

73.1855, 75.5827, 88.5735

Deuteranopia

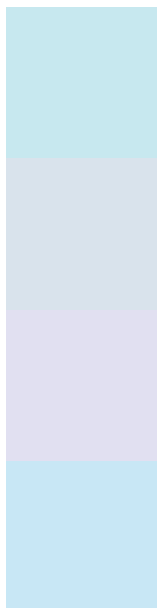
77.2937, 75.5991, 94.5227



Tritanopia

69.4831, 75.8507, 100.6010

Trichromacy



Original Color

67.9898, 76.0873, 92.7642

Protanomaly

71.2247, 75.7460, 90.2234

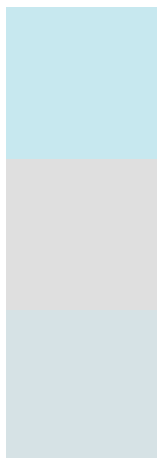
Deuteranomaly

73.5842, 75.6697, 93.9465

Tritanomaly

68.8768, 76.0238, 97.4301

Monochromacy



Original Color

67.9898, 76.0873, 92.7642

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.0708, 74.3460, 84.8385

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.9898, 76.0873, 92.7642 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(199, 232, 239)` looks like.

```
.text, #text, p{  
    color:rgb(199, 232, 239)  
}
```

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(199, 232, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 232, 239) }
```

Border

The CSS property to change the border of an element to XYZ 67.9898, 76.0873, 92.7642 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(199, 232, 239) }
```


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

```
.border{ border-color:rgb(199, 232, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 232, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 232, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 232, 239);  
box-shadow:4px 4px 4px 4px rgb(199, 232,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 67.9898, 76.0873, 92.7642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 232, 239) }
```

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

```
.background{ background-color: rgb(199,  
232, 239) }
```

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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