

Converting Colors

XYZ(67.6731, 76.4498, 89.4167)

Have a look what the booklet for
XYZ(67.6731, 76.4498, 89.4167)
contains.

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Color

**XYZ(67.6875, 76.4181,
89.7799)**

Conversions

Conversions Part 1

Format	Color
Hex	C7E9EB
RGB	199, 233, 235
RGB Percent	78%, 91%, 92%
CMY	0.2196, 0.0863, 0.0784
CMYK	0.15, 0.01, 0.00, 0.08
HSL	183°, 47%, 85%
HSV	183°, 15%, 92%
XYZ	67.6875, 76.4181, 89.7799
YIQ	223.0620, -20.9060, -6.5860

Conversions

Conversions Part 2

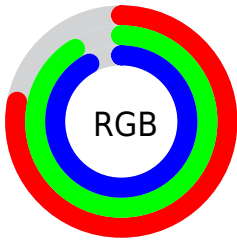
Format	Color
R _Y B	199, 216, 235
Decimal	13101547
CIE Lab	90.05, -10.62, -4.69
CIE LCh	90, 11.611, 203.844
Yxy	76.4181, 0.2894, 0.3267
Android (android.graphics.Color)	4291291627 (0xFFC7E9EB)
YUV	223.0620, 5.8854, -21.1024
Hunter-Lab	87.4174, -14.7676, 0.2999

Details

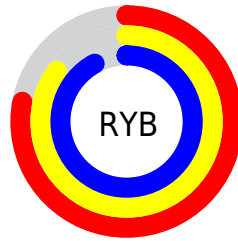
The XYZ color **67.6875, 76.4181, 89.7799** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.4569, 63.5589, 62.8524**, and the grayscale version is **70.1552, 73.8088, 80.3778**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.5359, 40.7187, 48.6344** is the 20% darker color. If you saturate the color by 10%, you get **61.5604, 72.7157, 89.3894**, and if you desaturate by 10%, it is **74.7846, 80.6287, 90.2198**.

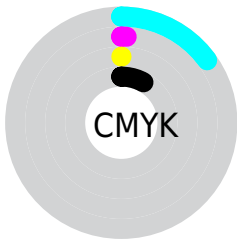
Distribution



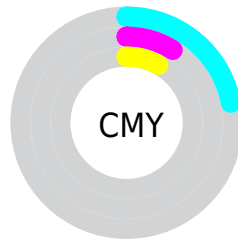
- Red (78%)
- Green (91%)
- Blue (92%)



- Red (78%)
- Yellow (85%)
- Blue (92%)



- Cyan (15%)
- Magenta (1%)
- Yellow (0%)
- Black (8%)



- Cyan (22%)
- Magenta (9%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.6875, 76.4181, 89.7799 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 67.6875, 76.4181, 89.7799 by changing the saturation by 10% instead.

67.6875, 76.4181,
89.7799

67.6875, 76.4181,
89.7799

441.7821,
482.7777, 547.8662

49.9163, 56.7754,
67.2254

114.9493,
128.3177, 148.9655

35.5644, 40.8250,
48.8051

145.1707,
161.3435, 186.4337

24.2665, 28.1823,
34.1004

180.2728,
199.5990, 229.7101

15.6573, 18.4632,
22.6927

220.6210,
243.4688, 279.2135

9.3712, 11.2830,
14.1636

266.5807,
293.3371, 335.3622

5.0432, 6.2575,
8.0945

318.5172,

2.3076, 3.0023,

349.5885, 398.5749

4.0668

376.7959,
412.6072, 469.2701

0.7986, 1.1329,
1.6621

0.0000, 0.0059,
0.3346

67.6875, 76.4181,
89.7799

67.6875, 76.4181,
89.7799

61.5604, 72.7157,
89.3894

74.7846, 80.6287,
90.2198

56.3526, 69.4892,
89.0411

82.8864, 85.3591,
90.7058

52.0189, 66.7174,
88.7345

86.4953, 87.7775,
90.9824

48.5075, 64.3736,
88.4672

86.8739, 88.5347,
91.1086

45.7613, 62.4281,
88.2364

87.2552, 89.2974,
91.2357

43.7157, 60.8479,
88.0392

87.6393, 90.0656,
91.3638

42.2956, 59.5942,
87.8721

88.0262, 90.8393,
91.4927

41.4085, 58.6192,
87.7306

88.4158, 91.6185,
91.6226

41.1082, 58.2234,
87.6701

88.8082, 92.4033,
91.7534

Harmonies

Analogous

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



67.2681, 76.4181, 81.5181



67.6875, 76.4181, 89.7799



69.4164, 76.4181, 96.6720

Triad

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



67.6875, 76.4181, 89.7799



77.1942, 76.4181, 92.9129



73.2283, 76.4181, 68.4208

Complementary

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



67.6875, 76.4181, 89.7799



65.4569, 63.5589, 62.8524

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.



75.9477, 76.4181, 71.0530



67.6875, 76.4181, 89.7799



78.2760, 76.4181, 84.9177

Square

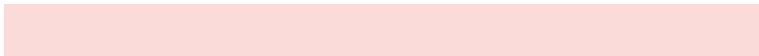
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.6875, 76.4181, 89.7799



74.8935, 76.4181, 98.5628



77.8139, 76.4181, 76.9617



70.4186, 76.4181, 69.5340

Rectangle

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



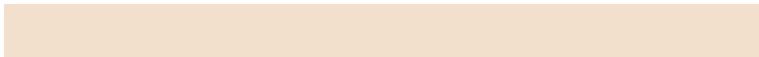
67.6875, 76.4181, 89.7799



71.1039, 76.4181, 99.3788



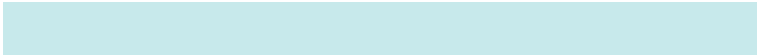
77.8139, 76.4181, 76.9617



74.1841, 76.4181, 68.8911

Sweetspot

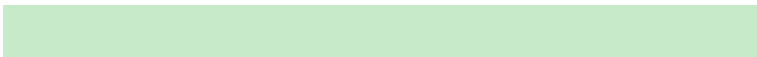
The Sweet Spot groups the original color and five complimentary colors.



67.6897, 76.4213, 89.7816



90.2886, 97.2111, 108.6126



63.7819, 75.7677, 66.3994



19.1875, 20.7260, 23.2392



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.



67.6897, 76.4213, 89.7816



79.3260, 90.6963, 107.9330



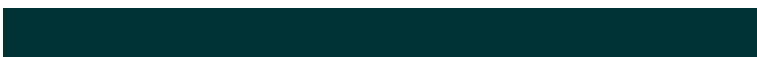
62.9013, 66.8445, 88.1855



15.4420, 16.9703, 19.3840



22.9101, 32.4671, 48.8023



1.8209, 2.5932, 3.8394

Inverse Universe

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



69.3941, 64.3938, 85.8662



81.7078, 73.9671, 102.4439



69.8504, 72.3458, 64.3168



15.6766, 15.2985, 18.8484



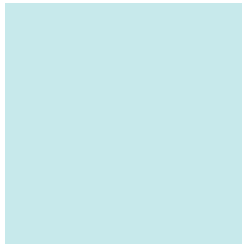
26.4192, 12.7704, 39.6046



2.0856, 1.0072, 3.1681

Previews

White Background



This preview shows how the XYZ color 67.6875, 76.4181, 89.7799 looks on a white background.

Color Contrast Check

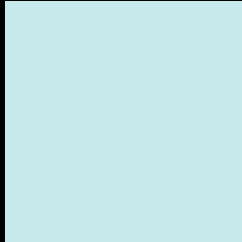
Large Text (above 18pt) WCAG AA × Fail

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 67.6875, 76.4181, 89.7799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

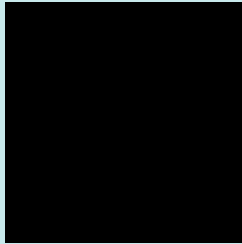
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.6875, 76.4181, 89.7799

Background



This preview shows how black text looks on a background with the XYZ color 67.6875, 76.4181, 89.7799.

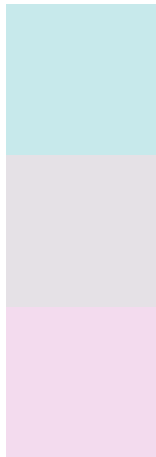


This preview shows how white text looks on a background with the XYZ color 67.6875, 76.4181,

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

67.6875, 76.4181, 89.7799

Protanopia

73.5212, 76.2216, 85.7002

Deuteranopia

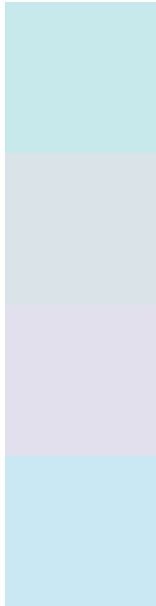
77.7263, 75.8908, 91.4407



Tritanopia

70.0319, 76.5479, 100.7067

Trichromacy



Original Color

67.6875, 76.4181, 89.7799

Protanomaly

71.2223, 76.2184, 87.3017

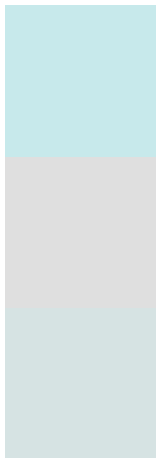
Deuteranomaly

73.6203, 75.7566, 90.8631

Tritanomaly

69.2731, 76.6624, 96.7342

Monochromacy



Original Color

67.6875, 76.4181, 89.7799

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.0658, 74.7804, 83.4669

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.6875, 76.4181, 89.7799 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, 233, 235)` looks like.

```
.text, #text, p{  
    color:rgb(199, 233, 235)  
}
```

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, 233, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 233, 235) }
```

Border

The CSS property to change the border of an element to XYZ 67.6875, 76.4181, 89.7799 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, 233, 235) }
```


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

```
.border{ border-color:rgb(199, 233, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 233, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 233, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 233, 235);  
box-shadow:4px 4px 4px 4px rgb(199, 233,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6875, 76.4181, 89.7799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 233, 235) }
```

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

```
.background{ background-color: rgb(199,  
233, 235) }
```

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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