

Converting Colors

XYZ(67.4679, 76.7738, 87.5242)

Have a look what the booklet for
XYZ(67.4679, 76.7738, 87.5242)
contains.

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Color

**XYZ(67.5415, 76.8139,
87.6107)**

Conversions

Conversions Part 1

Format	Color
Hex	C7EAE8
RGB	199, 234, 232
RGB Percent	78%, 92%, 91%
CMY	0.2196, 0.0823, 0.0902
CMYK	0.15, 0.00, 0.01, 0.08
HSL	177°, 45%, 85%
HSV	177°, 15%, 92%
XYZ	67.5415, 76.8139, 87.6107
YIQ	223.3070, -20.2180, -8.0420

Conversions

Conversions Part 2

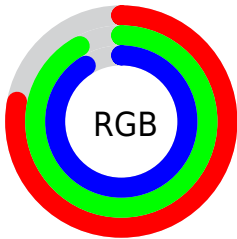
Format	Color
R _Y B	199, 217, 234
Decimal	13101800
CIE Lab	90.24, -11.73, -2.86
CIE LCh	90, 12.072, 193.684
Yxy	76.8139, 0.2912, 0.3311
Android (android.graphics.Color)	4291291880 (0xFFC7EAE8)
YUV	223.3070, 4.2856, -21.3172
Hunter-Lab	87.6435, -15.8172, 2.0827

Details

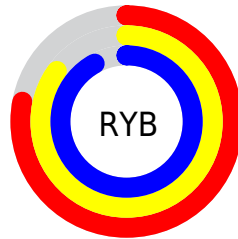
The XYZ color **67.5415, 76.8139, 87.6107** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.9005, 62.5584, 63.9161**, and the grayscale version is **70.3400, 74.0032, 80.5895**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.4339, 40.9951, 47.1196** is the 20% darker color. If you saturate the color by 10%, you get **61.6149, 73.7826, 86.3456**, and if you desaturate by 10%, it is **74.4286, 80.3443, 88.9315**.

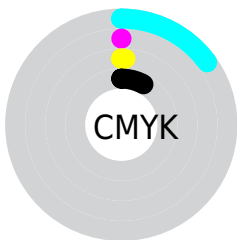
Distribution



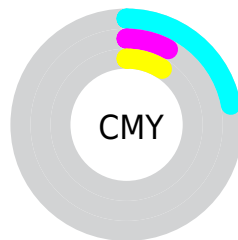
- Red (78%)
- Green (92%)
- Blue (91%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.5415, 76.8139, 87.6107 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 67.5415, 76.8139, 87.6107 by changing the saturation by 10% instead.

67.5415, 76.8139,
87.6107

67.5415, 76.8139,
87.6107

441.2721,
484.1293, 540.5958

49.7971, 57.1001,
65.4382

114.7415,
128.8767, 145.9214

35.4694, 41.0857,
47.3629

144.9278,
161.9946, 182.8967

24.1929, 28.3860,
32.9662

179.9922,
200.3494, 225.6434

15.6023, 18.6168,
21.8297

220.3000,
244.3253, 274.5799

9.3322, 11.3938,
13.5347

266.2165,
294.3069, 330.1249

5.0173, 6.3323,
7.6627

318.1071,

2.2923, 3.0482,

350.6785, 392.6968

3.7952

376.3372,
413.8245, 462.7143

0.7907, 1.1569,
1.5137

0.0000, 0.0261,
0.2281

67.5415, 76.8139,
87.6107

67.5415, 76.8139,
87.6107

61.6149, 73.7826,
86.3456

74.4286, 80.3443,
88.9315

56.5989, 71.2184,
85.1291


82.3104, 84.3853,
90.3049


52.4486, 69.1005,
83.9606


85.8073, 86.1656,
91.4806


49.1132, 67.4024,
82.8378


86.0027, 86.2438,
92.5094


 46.5362, 66.0952,
81.7580


 86.1995, 86.3225,
93.5460


 44.6542, 65.1460,
80.7182


 86.3978, 86.4018,
94.5902


 43.3932, 64.5168,
79.7149

 86.5976, 86.4817,
95.6422

 42.6626, 64.1609,
78.7439

 86.7988, 86.5622,
96.7020

 42.4238, 64.0482,
78.2632

 87.0016, 86.6433,
97.7695

Harmonies

Analogous

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



67.6067, 76.8139, 79.0770



67.5415, 76.8139, 87.6107



68.9128, 76.8139, 95.5868

Triad

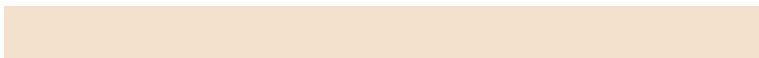
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.5415, 76.8139, 87.6107



77.0705, 76.8139, 96.1751



74.6435, 76.8139, 68.7491

Complementary

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



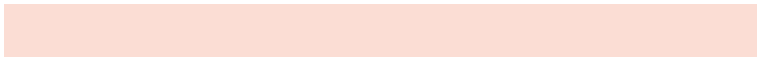
67.5415, 76.8139, 87.6107



64.9005, 62.5584, 63.9161

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.



77.2651, 76.8139, 72.7276



67.5415, 76.8139, 87.6107



78.6923, 76.8139, 88.3696

Square

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



67.5415, 76.8139, 87.6107



74.3838, 76.8139, 100.7556



78.7645, 76.8139, 79.7858



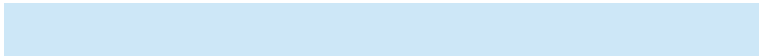
71.6518, 76.8139, 68.5768

Rectangle

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



67.5415, 76.8139, 87.6107



70.4793, 76.8139, 99.3532



78.7645, 76.8139, 79.7858



75.5991, 76.8139, 69.6727

Sweetspot

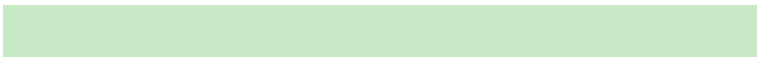
The Sweet Spot groups the original color and five complimentary colors.



67.5437, 76.8171, 87.6124



91.3026, 98.0790, 108.2348



63.9110, 75.4361, 65.2264



19.3964, 20.9180, 23.1402



0.0000, 0.0000, 0.0000



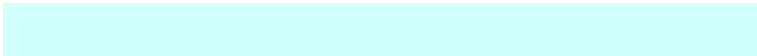
20.3446, 21.4041, 23.3091

Same Dimension

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



67.5437, 76.8171, 87.6124



79.7127, 92.1419, 105.9897



63.6948, 68.6613, 87.7414



15.4783, 17.1061, 19.2014



23.8551, 35.9965, 44.0635



1.8846, 2.8311, 3.5199

Inverse Universe

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



64.9005, 62.5584, 63.9161



75.9142, 71.6497, 71.9355



68.3320, 69.7961, 63.9047



15.1004, 15.0680, 15.8141



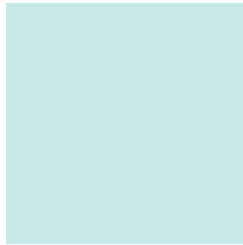
19.1246, 9.8525, 1.1913



1.5141, 0.7786, 0.1585

Previews

White Background



This preview shows how the XYZ color 67.5415, 76.8139, 87.6107 looks on a white background.

Color Contrast Check

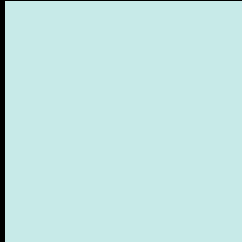
Large Text (above 18pt) WCAG AA × Fail

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 67.5415, 76.8139, 87.6107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

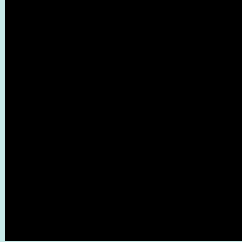
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

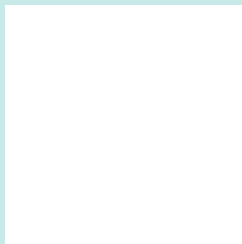
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.5415, 76.8139, 87.6107

Background



This preview shows how black text looks on a background with the XYZ color 67.5415, 76.8139, 87.6107.

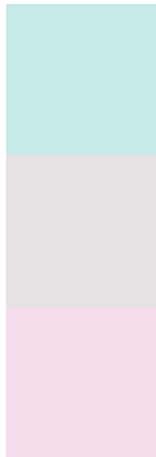


This preview shows how white text looks on a background with the XYZ color 67.5415, 76.8139,

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

67.5415, 76.8139, 87.6107

Protanopia

73.4235, 76.2195, 83.5150

Deuteranopia

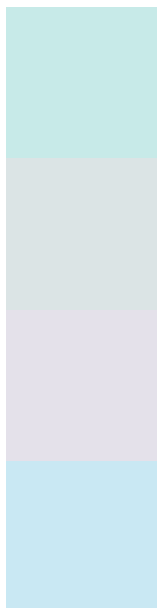
78.2448, 76.5970, 89.2580



Tritanopia

70.1884, 76.6105, 101.5305

Trichromacy



Original Color

67.5415, 76.8139, 87.6107

Protanomaly

71.0997, 76.2040, 85.0902

Deuteranomaly

73.7714, 76.2849, 88.6782

Tritanomaly

69.1217, 76.6018, 95.9365

Monochromacy



Original Color

67.5415, 76.8139, 87.6107

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

68.9281, 74.7253, 82.7420

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.5415, 76.8139, 87.6107 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, 234, 232)` looks like.

```
.text, #text, p{  
    color:rgb(199, 234, 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(199, 234, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 234, 232) }
```

Border

The CSS property to change the border of an element to XYZ 67.5415, 76.8139, 87.6107 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, 234, 232) }
```


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

```
.border{ border-color:rgb(199, 234, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 234, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 234, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 234, 232);  
box-shadow:4px 4px 4px 4px rgb(199, 234,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 67.5415, 76.8139, 87.6107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 234, 232) }
```

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

```
.background{ background-color: rgb(199,  
234, 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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