

Converting Colors

XYZ(67.8397, 76.5726, 86.3758)

Have a look what the booklet for
XYZ(67.8397, 76.5726, 86.3758)
contains.

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Color

**XYZ(67.7790, 76.5476,
86.0657)**

Conversions

Conversions Part 1

Format	Color
Hex	CAE9E6
RGB	202, 233, 230
RGB Percent	79%, 91%, 90%
CMY	0.2078, 0.0863, 0.0980
CMYK	0.13, 0.00, 0.01, 0.09
HSL	174°, 41%, 85%
HSV	174°, 13%, 91%
XYZ	67.7790, 76.5476, 86.0657
YIQ	223.3890, -17.5130, -7.5050

Conversions

Conversions Part 2

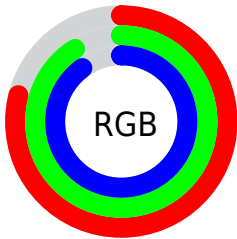
Format	Color
R _Y B	202, 218, 233
Decimal	13298150
CIE Lab	90.11, -10.68, -1.97
CIE LCh	90, 10.857, 190.442
Yxy	76.5476, 0.2942, 0.3322
Android (android.graphics.Color)	4291488230 (0xFFCAE9E6)
YUV	223.3890, 3.2592, -18.7582
Hunter-Lab	87.4915, -14.8275, 2.9202

Details

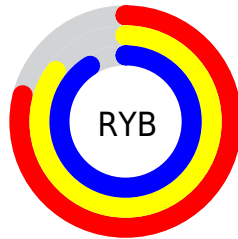
The XYZ color **67.7790, 76.5476, 86.0657** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.7471, 63.9746, 66.6442**, and the grayscale version is **70.4041, 74.0706, 80.6629**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.6727, 40.8353, 46.5593** is the 20% darker color. If you saturate the color by 10%, you get **61.6300, 73.4161, 84.1353**, and if you desaturate by 10%, it is **74.8884, 80.1778, 88.0657**.

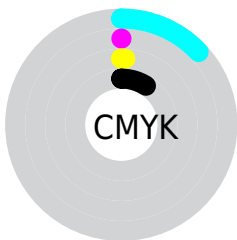
Distribution



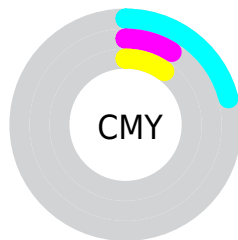
- Red (79%)
- Green (91%)
- Blue (90%)



- Red (79%)
- Yellow (85%)
- Blue (91%)



- Cyan (13%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)



- Cyan (21%)
- Magenta (9%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7790, 76.5476, 86.0657 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 67.7790, 76.5476, 86.0657 by changing the saturation by 10% instead.

67.7790, 76.5476,
86.0657

67.7790, 76.5476,
86.0657

442.1016,
483.2202, 535.3841

49.9910, 56.8816,
64.1671

115.0796,
128.5007, 143.7485

35.6240, 40.9102,
46.3390

145.3229,
161.5566, 180.3698

24.3127, 28.2489,
32.1628

180.4486,
199.8446, 222.7358

15.6917, 18.5134,
21.2200

220.8221,
243.7491, 271.2649

9.3957, 11.3192,
13.0921

266.8089,
293.6546, 326.3758

5.0594, 6.2820,
7.3605


318.7741,


2.3173, 3.0173,


349.9453, 388.4869


3.6067


377.0832,
413.0057, 458.0168


 0.8035, 1.1408,
1.4122


 0.0000, 0.0125,
0.1512


 67.7790, 76.5476,
86.0657


 67.7790, 76.5476,
86.0657


 61.6300, 73.4161,
84.1353


 74.8884, 80.1778,
88.0657


 56.3922, 70.7519,
82.2673


 82.9915, 84.3178,
90.1321


 52.0221, 68.5344,
80.4612


 85.6333, 85.6419,
91.9645


 48.4699, 66.7382,
78.7145


 85.9649, 85.7745,
93.7104


 45.6809, 65.3349,
77.0247


 86.3006, 85.9088,
95.4783


 43.5934, 64.2928,
75.3887


 86.6405, 86.0447,
97.2682

 42.1365, 63.5753,
73.8032

 86.9846, 86.1824,
99.0802

 41.2237, 63.1379,
72.2641

 87.3329, 86.3217,
100.9144

 40.8271, 62.9554,
71.2553

 87.6854, 86.4627,
102.7708

Harmonies

Analogous

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



67.9825, 76.5476, 78.4782



67.7790, 76.5476, 86.0657



68.8839, 76.5476, 93.3478

Triad

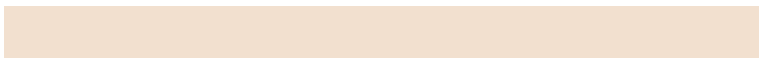
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.7790, 76.5476, 86.0657



76.1691, 76.5476, 95.1576



74.5044, 76.5476, 70.1326

Complementary

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



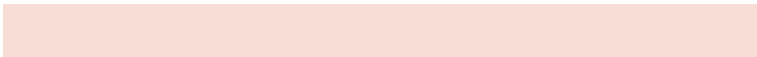
67.7790, 76.5476, 86.0657



65.7471, 63.9746, 66.6442

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.



76.7709, 76.5476, 74.0879



67.7790, 76.5476, 86.0657



77.7483, 76.5476, 88.4138

Square

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



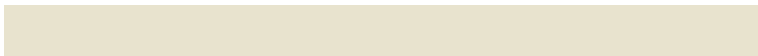
67.7790, 76.5476, 86.0657



73.6993, 76.5476, 98.8078



77.9713, 76.5476, 80.6868



71.8212, 76.5476, 69.5900

Rectangle

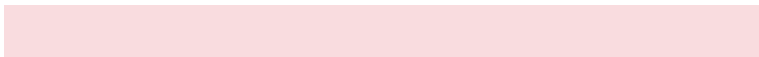
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



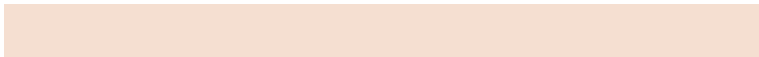
67.7790, 76.5476, 86.0657



70.2302, 76.5476, 96.9321



77.9713, 76.5476, 80.6868



75.3420, 76.5476, 71.0951

Sweetspot

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



67.7812, 76.5508, 86.0674



91.2377, 98.0530, 107.8933



65.0064, 75.5388, 67.0327



19.3799, 20.9114, 23.0534



0.0000, 0.0000, 0.0000



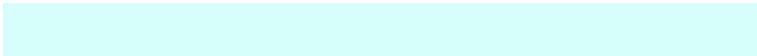
20.3446, 21.4041, 23.3091

Same Dimension

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



67.7812, 76.5508, 86.0674



80.9700, 92.8143, 104.9534



64.8184, 69.9443, 87.1789



15.4511, 17.0953, 19.0583



23.1907, 35.7308, 40.5651



1.8393, 2.8130, 3.2817

Inverse Universe

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



65.7471, 63.9746, 66.6442



78.0121, 74.5244, 76.7074



68.4156, 69.8864, 65.7620



15.1247, 15.0777, 15.9422



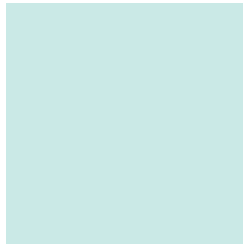
19.1732, 9.8720, 1.4477



1.5257, 0.7832, 0.2197

Previews

White Background



This preview shows how the XYZ color 67.7790, 76.5476, 86.0657 looks on a white background.

Color Contrast Check

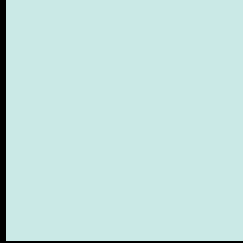
Large Text (above 18pt) WCAG AA × Fail

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 67.7790, 76.5476, 86.0657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

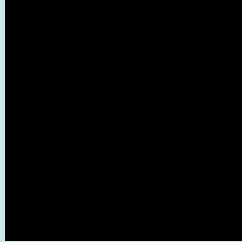
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

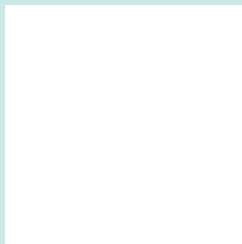
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.7790, 76.5476, 86.0657

Background



This preview shows how black text looks on a background with the XYZ color 67.7790, 76.5476, 86.0657.

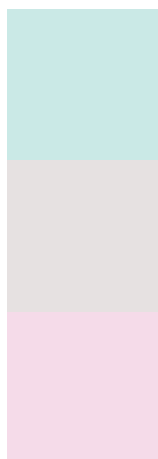


This preview shows how white text looks on a background with the XYZ color 67.7790, 76.5476,

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

67.7790, 76.5476, 86.0657

Protanopia

73.1489, 76.1097, 82.0694

Deuteranopia

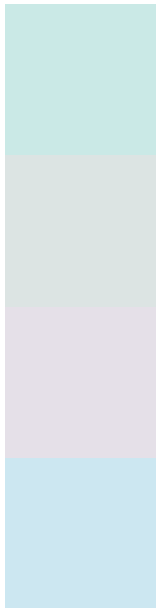
77.6957, 75.9587, 87.6573



Tritanopia

70.4169, 76.3501, 99.8326

Trichromacy



Original Color

67.7790, 76.5476, 86.0657

Protanomaly

71.1237, 76.2485, 83.6419

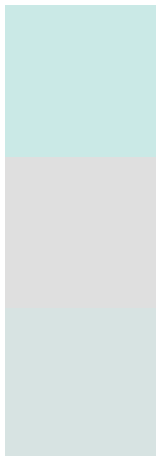
Deuteranomaly

73.5342, 75.7955, 87.0983

Tritanomaly

69.3549, 76.3401, 94.2988

Monochromacy



Original Color

67.7790, 76.5476, 86.0657

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.2209, 74.8762, 82.7557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7790, 76.5476, 86.0657 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(202, 233, 230)` looks like.

```
.text, #text, p{  
    color:rgb(202, 233, 230)  
}
```

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(202, 233, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 233, 230) }
```

Border

The CSS property to change the border of an element to XYZ 67.7790, 76.5476, 86.0657 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(202, 233, 230) }
```


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

```
.border{ border-color:rgb(202, 233, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 233, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 233, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 233, 230);  
box-shadow:4px 4px 4px 4px rgb(202, 233,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7790, 76.5476, 86.0657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 233, 230) }
```

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

```
.background{ background-color: rgb(202,  
233, 230) }
```

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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