

Converting Colors

XYZ(67.8486, 76.7860, 96.0392)

Have a look what the booklet for
XYZ(67.8486, 76.7860, 96.0392)
contains.

XYZ(67.8486, 76.7860, 96.0392)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(67.8486, 76.7860,
96.0392)**

Conversions

Conversions Part 1

Format	Color
Hex	C2EAF3
RGB	194, 234, 243
RGB Percent	76%, 92%, 95%
CMY	0.2392, 0.0823, 0.0471
CMYK	0.20, 0.04, 0.00, 0.05
HSL	191°, 67%, 86%
HSV	191°, 20%, 95%
XYZ	67.8486, 76.7860, 96.0392
YIQ	223.0660, -26.7290, -5.6810

Conversions

Conversions Part 2

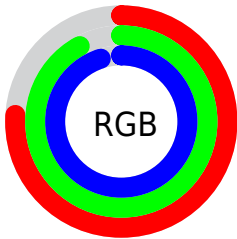
Format	Color
R_{YB}	194, 216, 243
Decimal	12774131
CIE Lab	90.22, -11.00, -8.66
CIE LCh	90, 14.000, 218.221
Yxy	76.7860, 0.2819, 0.3190
Android (android.graphics.Color)	4290964211 (0xFFC2EAF3)
YUV	223.0660, 9.8275, -25.4909
Hunter-Lab	87.6276, -15.1388, -3.6420

Details

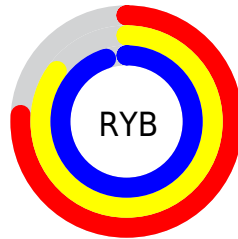
The XYZ color **67.8486, 76.7860, 96.0392** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.0564, 65.6618, 60.1275**, and the grayscale version is **70.1339, 73.7864, 80.3533**.

A 20% lighter version of the original color is **93.5937, 99.2492, 108.8318**, and **35.7053, 41.0041, 53.0464** is the 20% darker color. If you saturate the color by 10%, you get **60.8610, 71.3236, 95.3544**, and if you desaturate by 10%, it is **75.8925, 82.8444, 96.7859**.

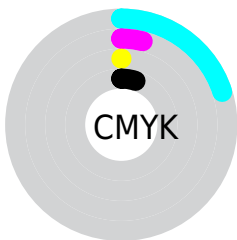
Distribution



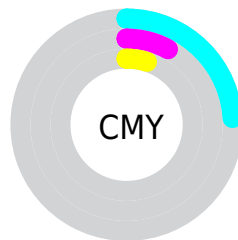
- Red (76%)
- Green (92%)
- Blue (95%)



- Red (76%)
- Yellow (85%)
- Blue (95%)



- Cyan (20%)
- Magenta (4%)
- Yellow (0%)
- Black (5%)



- Cyan (24%)
- Magenta (8%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.8486, 76.7860, 96.0392 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 67.8486, 76.7860, 96.0392 by changing the saturation by 10% instead.

67.8486, 76.7860,
96.0392

67.8486, 76.7860,
96.0392

442.3446,
484.0341, 568.5556

50.0478, 57.0773,
72.3985

115.1786,
128.8374, 157.7074

35.6693, 41.0673,
52.9955

145.4386,
161.9488, 196.5721

24.3478, 28.3717,
37.4115

180.5823,
200.2965, 241.3485

15.7180, 18.6060,
25.2279

220.9751,
244.2650, 292.4552

9.4144, 11.3859,
16.0264

266.9824,
294.2386, 350.3107

5.0717, 6.3270,
9.3883

318.9695,

2.3246, 3.0450,

350.6017, 415.3336

4.8950

377.3017,
413.7387, 487.9424

■ 0.8072, 1.1552,
2.1281

■ 0.0000, 0.0247,
0.6324

■ 67.8486, 76.7860,
96.0392

■ 67.8486, 76.7860,
96.0392

■ 60.8610, 71.3236,
95.3544

■ 75.8925, 82.8444,
96.7859

■ 54.8731, 66.4217,
94.7238

■ 85.0323, 89.5136,
97.5914

■ 49.8334, 62.0555,
94.1467

■ 90.7981, 94.4916,
98.2484

■ 45.6828, 58.1940,
93.6201

■ 92.1819, 97.2591,
98.7096

■ 42.3554, 54.8031,
93.1410

■ 93.1779, 99.2512,
99.0417

■ 39.7758, 51.8434,
92.7056

■ 37.8543, 49.2683,
92.3099

■ 36.4596, 47.0347,
91.9522

Harmonies

Analogous

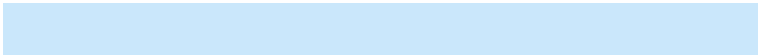
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.5554, 76.7860, 86.3787



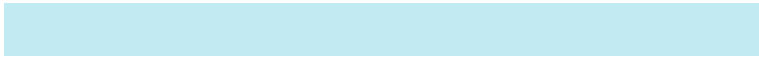
67.8486, 76.7860, 96.0392



70.5270, 76.7860, 102.7053

Triad

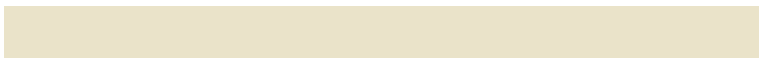
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.8486, 76.7860, 96.0392



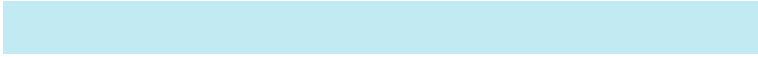
79.3778, 76.7860, 90.9242



72.0296, 76.7860, 66.0303

Complementary

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



67.8486, 76.7860, 96.0392



68.0564, 65.6618, 60.1275

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.



75.4949, 76.7860, 67.0363



67.8486, 76.7860, 96.0392



79.8112, 76.7860, 80.8950

Square

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



67.8486, 76.7860, 96.0392



77.2037, 76.7860, 99.5925



78.3697, 76.7860, 72.2967



68.9186, 76.7860, 69.4305

Rectangle

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



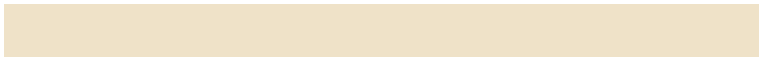
67.8486, 76.7860, 96.0392



72.7752, 76.7860, 104.2722



78.3697, 76.7860, 72.2967



73.1908, 76.7860, 65.8700

Sweetspot

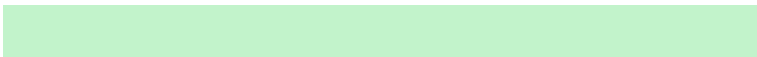
The Sweet Spot groups the original color and five complimentary colors.



67.8509, 76.7891, 96.0409



88.7537, 95.4334, 108.3504



65.0777, 79.8829, 68.4800



18.8561, 20.3236, 23.1790



0.0000, 0.0000, 0.0000



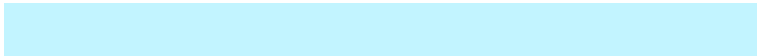
20.3446, 21.4041, 23.3091

Same Dimension

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



67.8509, 76.7891, 96.0409



72.5262, 83.2216, 106.8486



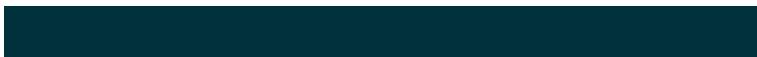
61.3547, 63.7969, 93.8756



16.7229, 18.2100, 21.1761



20.1023, 25.9984, 50.4967



1.8325, 2.4163, 4.4601

Inverse Universe

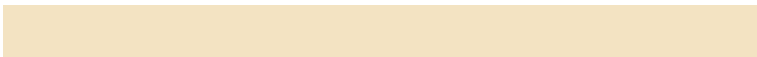
The Inverse Universe completely reimagines the original color for something new.



71.1070, 63.5805, 86.3699



76.7804, 66.2719, 94.1442



74.3026, 78.1541, 62.2096



17.0754, 16.7130, 20.1438



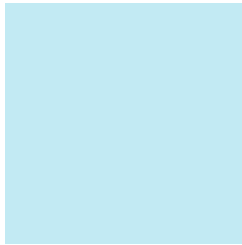
25.9512, 12.7239, 30.7812



2.3140, 1.1316, 2.8799

Previews

White Background



This preview shows how the XYZ color 67.8486, 76.7860, 96.0392 looks on a white background.

Color Contrast Check

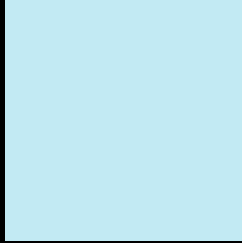
Large Text (above 18pt) WCAG AA × Fail

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 67.8486, 76.7860, 96.0392 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 67.8486, 76.7860, 96.0392

Background



This preview shows how black text looks on a background with the XYZ color 67.8486, 76.7860, 96.0392.

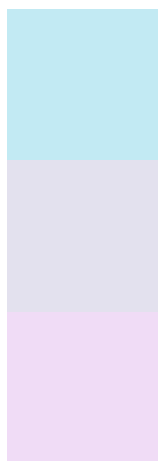


This preview shows how white text looks on a background with the XYZ color 67.8486, 76.7860,

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

67.8486, 76.7860, 96.0392

Protanopia

74.0364, 76.3544, 91.7247

Deuteranopia

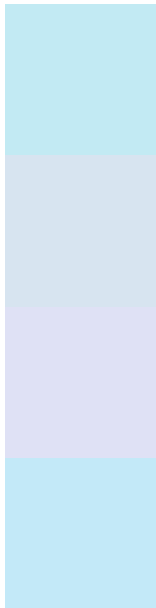
78.1629, 76.3655, 97.8092



Tritanopia

69.3165, 76.9786, 102.4718

Trichromacy



Original Color

67.8486, 76.7860, 96.0392

Protanomaly

71.4959, 76.2251, 93.3828

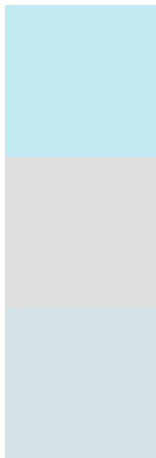
Deuteranomaly

73.8381, 76.1310, 97.1893

Tritanomaly

68.5879, 76.6572, 99.9883

Monochromacy



Original Color

67.8486, 76.7860, 96.0392

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

68.9034, 74.6484, 85.6399

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8486, 76.7860, 96.0392 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(194, 234, 243)` looks like.

```
.text, #text, p{  
    color:rgb(194, 234, 243)  
}
```

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(194, 234, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 234, 243) }
```

Border

The CSS property to change the border of an element to XYZ 67.8486, 76.7860, 96.0392 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(194, 234, 243) }
```


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

```
.border{ border-color:rgb(194, 234, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 234, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 234, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 234, 243);  
box-shadow:4px 4px 4px 4px rgb(194, 234,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8486, 76.7860, 96.0392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 234, 243) }
```

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

```
.background{ background-color: rgb(194,  
234, 243) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor