

Converting Colors

XYZ(68.7987, 77.5627, 98.8804)

Have a look what the booklet for
XYZ(68.7987, 77.5627, 98.8804)
contains.

XYZ(68.8486, 77.6726, 98.5524)	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(68.8486, 77.6726,
98.5524)**

Conversions

Conversions Part 1

Format	Color
Hex	C3EBF6
RGB	195, 235, 246
RGB Percent	76%, 92%, 96%
CMY	0.2353, 0.0784, 0.0353
CMYK	0.21, 0.04, 0.00, 0.04
HSL	193°, 74%, 86%
HSV	193°, 21%, 96%
XYZ	68.8486, 77.6726, 98.5524
YIQ	224.2940, -27.3710, -5.0590

Conversions

Conversions Part 2

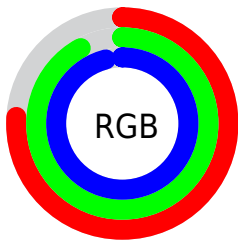
Format	Color
R_{YB}	195, 217, 246
Decimal	12839926
CIE _{Lab}	90.63, -10.57, -9.62
CIE _{LCh}	91, 14.291, 222.302
Yxy	77.6726, 0.2809, 0.3169
Android (android.graphics.Color)	4291030006 (0xFFC3EBF6)
YUV	224.2940, 10.7011, -25.6908
Hunter-Lab	88.1321, -14.7872, -4.6077

Details

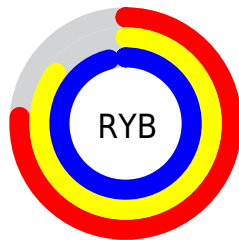
The XYZ color **68.8486, 77.6726, 98.5524** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.9285, 67.6758, 61.0086**, and the grayscale version is **71.0035, 74.7012, 81.3496**.

A 20% lighter version of the original color is **93.9549, 99.4354, 108.8487**, and **36.2296, 41.5334, 54.8224** is the 20% darker color. If you saturate the color by 10%, you get **61.5130, 71.6718, 97.7820**, and if you desaturate by 10%, it is **77.2812, 84.3101, 99.3904**.

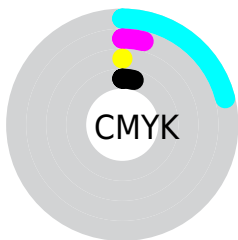
Distribution



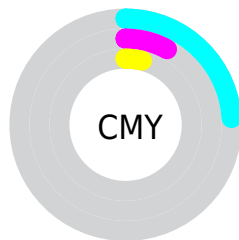
- Red (76%)
- Green (92%)
- Blue (96%)



- Red (76%)
- Yellow (85%)
- Blue (96%)



- Cyan (21%)
- Magenta (4%)
- Yellow (0%)
- Black (4%)



- Cyan (24%)
- Magenta (8%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8486, 77.6726, 98.5524 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 68.8486, 77.6726, 98.5524 by changing the saturation by 10% instead.

68.8486, 77.6726,
98.5524

68.8486, 77.6726,
98.5524

445.8265,
487.0542, 576.7485

50.8646, 57.8051,
74.4820

116.6006,
130.0885, 161.2009

36.3215, 41.6520,
54.6895

147.0992,
163.4056, 200.6161

24.8538, 28.8289,
38.7562

182.5002,
201.9748, 245.9833

16.0963, 18.9514,
26.2638

223.1688,
246.1803, 297.7211

9.6836, 11.6352,
16.7935

269.4704,
296.4066, 356.2479

5.2504, 6.4958,
9.9270

321.7703,

2.4312, 3.1488,

353.0381, 421.9824

5.2456

380.4339,
416.4592, 495.3431

■ 0.8607, 1.2099,
2.3308

■ 0.0000, 0.0698,
0.7484

■ 68.8486, 77.6726,
98.5524

■ 68.8486, 77.6726,
98.5524

■ 61.5130, 71.6718,
97.7820

■ 77.2812, 84.3101,
99.3904

■ 55.2159, 66.2711,
97.0715

■ 86.8520, 91.6002,
100.2931

■ 49.9036, 61.4441,
96.4198

■ 92.3465, 96.8573,
101.0182

■ 45.5149, 57.1587,
95.8239

■ 93.6348, 99.4339,
101.4476

■ 41.9810, 53.3789,
95.2806

■ 39.2236, 50.0636,
94.7860

■ 37.1487, 47.1639,
94.3357

■ 35.6951, 44.7745,
93.9511

Harmonies

Analogous

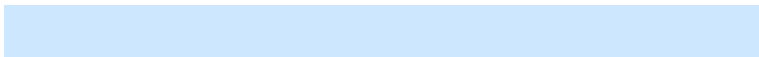
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.2997, 77.6726, 88.8444



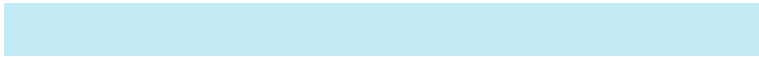
68.8486, 77.6726, 98.5524



71.7518, 77.6726, 104.7863

Triad

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



68.8486, 77.6726, 98.5524



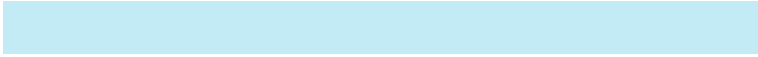
80.5821, 77.6726, 90.7103



72.3679, 77.6726, 66.7297

Complementary

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



68.8486, 77.6726, 98.5524



69.9285, 67.6758, 61.0086

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.



75.9387, 77.6726, 67.1408



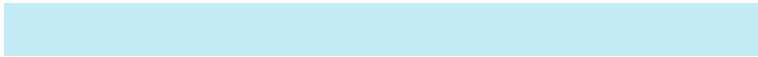
68.8486, 77.6726, 98.5524



80.7601, 77.6726, 80.4393

Square

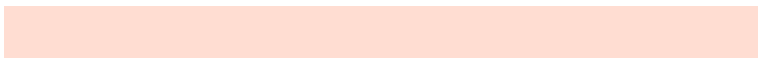
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



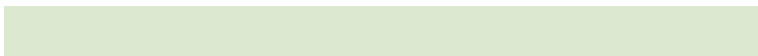
68.8486, 77.6726, 98.5524



78.5579, 77.6726, 100.0132



79.0366, 77.6726, 71.9810



69.2870, 77.6726, 70.8085

Rectangle

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



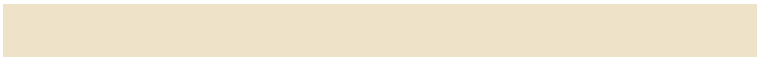
68.8486, 77.6726, 98.5524



74.1025, 77.6726, 105.8482



79.0366, 77.6726, 71.9810



73.5492, 77.6726, 66.3573

Sweetspot

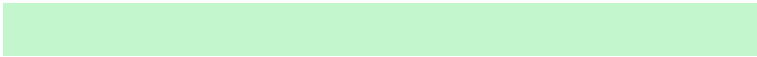
The Sweet Spot groups the original color and five complimentary colors.



68.8509, 77.6758, 98.5542



88.5999, 95.1259, 108.2992



66.5066, 81.9326, 70.1952



18.8197, 20.2507, 23.1668



0.0000, 0.0000, 0.0000



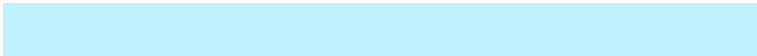
20.3446, 21.4041, 23.3091

Same Dimension

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



68.8509, 77.6758, 98.5542



71.1292, 81.3896, 106.5686



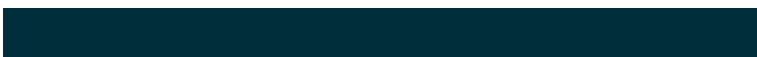
62.2626, 64.4991, 96.3580



16.6758, 18.1158, 21.1604



19.1594, 24.1126, 50.1824



1.7575, 2.2664, 4.4351

Inverse Universe

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



72.5184, 64.6230, 87.2522



75.8405, 64.9968, 91.9662



76.3498, 80.5185, 63.1490



17.0517, 16.7035, 20.0186



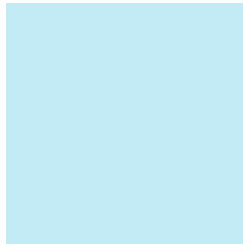
25.4753, 12.5336, 28.2749



2.2762, 1.1164, 2.6806

Previews

White Background



This preview shows how the XYZ color 68.8486, 77.6726, 98.5524 looks on a white background.

Color Contrast Check

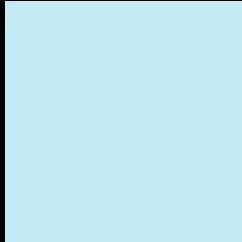
Large Text (above 18pt) WCAG AA × Fail

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 68.8486, 77.6726, 98.5524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

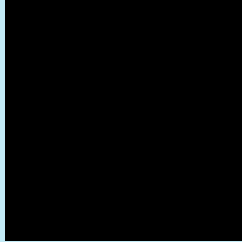
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.8486, 77.6726, 98.5524

Background



This preview shows how black text looks on a background with the XYZ color 68.8486, 77.6726, 98.5524.

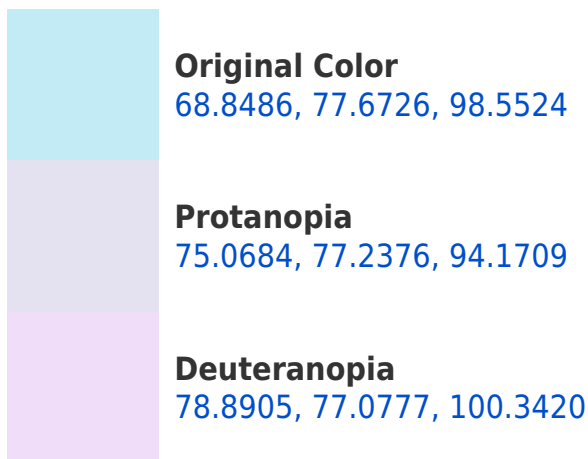


This preview shows how white text looks on a background with the XYZ color 68.8486, 77.6726,

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

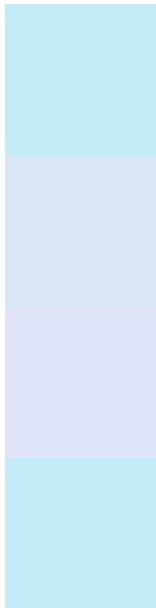




Tritanopia

69.9174, 77.6732, 104.2359

Trichromacy



Original Color

68.8486, 77.6726, 98.5524

Protanomaly

72.5159, 77.1086, 95.8555

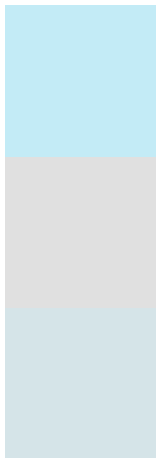
Deuteranomaly

74.8801, 77.0173, 99.7262

Tritanomaly

69.4431, 77.4835, 101.7383

Monochromacy



Original Color

68.8486, 77.6726, 98.5524

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.7495, 75.4591, 87.2328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8486, 77.6726, 98.5524 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(195, 235, 246)` looks like.

```
.text, #text, p{  
    color:rgb(195, 235, 246)  
}
```

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(195, 235, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 235, 246) }
```

Border

The CSS property to change the border of an element to XYZ 68.8486, 77.6726, 98.5524 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(195, 235, 246) }
```


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

```
.border{ border-color:rgb(195, 235, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 235, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 235, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 235, 246);  
box-shadow:4px 4px 4px 4px rgb(195, 235,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8486, 77.6726, 98.5524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 235, 246) }
```

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

```
.background{ background-color: rgb(195,  
235, 246) }
```

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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