

Converting Colors

XYZ(68.9897, 77.8500, 93.8285)

Have a look what the booklet for
XYZ(68.9897, 77.8500, 93.8285)
contains.

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Color

**XYZ(68.9897, 77.8500,
93.8285)**

Conversions

Conversions Part 1

Format	Color
Hex	C7EBF0
RGB	199, 235, 240
RGB Percent	78%, 92%, 94%
CMY	0.2196, 0.0784, 0.0588
CMYK	0.17, 0.02, 0.00, 0.06
HSL	187°, 58%, 86%
HSV	187°, 17%, 94%
XYZ	68.9897, 77.8500, 93.8285
YIQ	224.8060, -23.0610, -6.0770

Conversions

Conversions Part 2

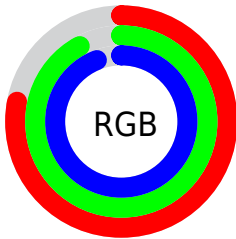
Format	Color
R _{YB}	199, 218, 240
Decimal	13102064
CIE _{Lab}	90.71, -10.61, -6.34
CIE _{LCh}	91, 12.360, 210.841
Yxy	77.8500, 0.2867, 0.3235
Android (android.graphics.Color)	4291292144 (0xFFC7EBF0)
YUV	224.8060, 7.4906, -22.6319
Hunter-Lab	88.2326, -14.8368, -1.2874

Details

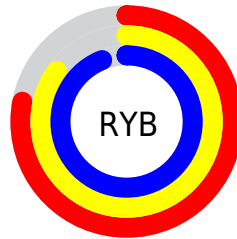
The XYZ color **68.9897, 77.8500, 93.8285** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.8376, 65.8346, 63.1663**, and the grayscale version is **71.3903, 75.1082, 81.7928**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.4489, 41.7206, 51.4792** is the 20% darker color. If you saturate the color by 10%, you get **62.2872, 73.1637, 93.2785**, and if you desaturate by 10%, it is **76.7148, 83.0880, 94.4336**.

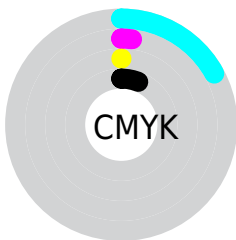
Distribution



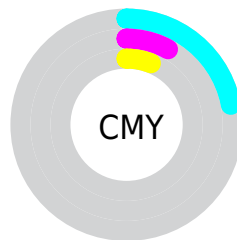
- Red (78%)
- Green (92%)
- Blue (94%)



- Red (78%)
- Yellow (85%)
- Blue (94%)



- Cyan (17%)
- Magenta (2%)
- Yellow (0%)
- Black (6%)



- Cyan (22%)
- Magenta (8%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.9897, 77.8500, 93.8285 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 68.9897, 77.8500, 93.8285 by changing the saturation by 10% instead.

68.9897, 77.8500,
93.8285

68.9897, 77.8500,
93.8285

446.3166,
487.6573, 561.2960

50.9799, 57.9508,
70.5688

116.8010,
130.3386, 154.6268

36.4136, 41.7691,
51.5107

147.3333,
163.6969, 193.0024

24.9254, 28.9205,
36.2357

182.7704,
202.3102, 237.2538

16.1499, 19.0207,
24.3251

223.4778,
246.5630, 287.7995

9.7218, 11.6852,
15.3606

269.8207,
296.8397, 345.0580

5.2758, 6.5297,
8.9234

322.1646,

2.4464, 3.1698,

353.5247, 409.4479

4.5951

380.8748,
417.0025, 481.3877

■ 0.8683, 1.2210,
1.9572

■ 0.0000, 0.0788,
0.5288

■ 68.9897, 77.8500,
93.8285

■ 68.9897, 77.8500,
93.8285

■ 62.2872, 73.1637,
93.2785

■ 76.7148, 83.0880,
94.4336

■ 56.5534, 68.9951,
92.7760

■ 85.4996, 88.8908,
95.0907

■ 51.7399, 65.3212,
92.3206

■ 89.2529, 92.1204,
95.5162

■ 47.7912, 62.1132,
91.9095

■ 90.1391, 93.8927,
95.8116

■ 44.6459, 59.3395,
91.5399

■ 91.0392, 95.6930,
96.1116

■ 42.2342, 56.9638,
91.2085

■ 91.9535, 97.5214,
96.4164

■ 40.4742, 54.9441,
90.9114

■ 92.7284, 99.0714,
96.6747

■ 39.2607, 53.2258,
90.6437

■ 38.9608, 52.7562,
90.5688

Harmonies

Analogous

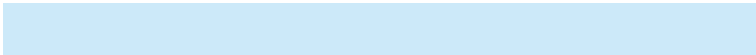
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.1884, 77.8500, 85.0163



68.9897, 77.8500, 93.8285



71.1255, 77.8500, 100.5764

Triad

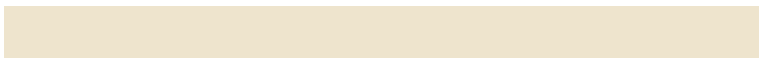
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.9897, 77.8500, 93.8285



79.3265, 77.8500, 93.3647



73.9066, 77.8500, 68.8053

Complementary

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



68.9897, 77.8500, 93.8285



67.8376, 65.8346, 63.1663

Split Complementary

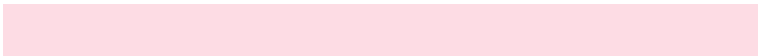
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.9388, 77.8500, 70.7049



68.9897, 77.8500, 93.8285



80.1203, 77.8500, 84.5150

Square

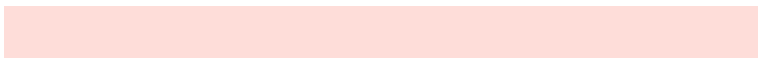
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.9897, 77.8500, 93.8285



77.0944, 77.8500, 100.2958



79.2348, 77.8500, 76.3056



70.9780, 77.8500, 70.9272

Rectangle

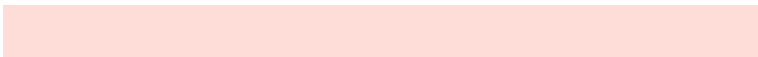
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



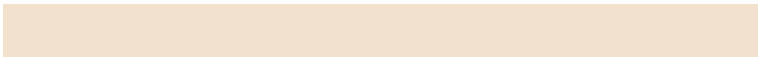
68.9897, 77.8500, 93.8285



73.0486, 77.8500, 102.7746



79.2348, 77.8500, 76.3056



74.9477, 77.8500, 68.9934

Sweetspot

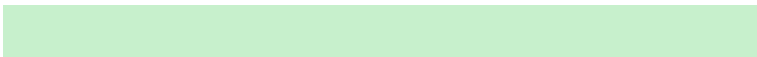
The Sweet Spot groups the original color and five complimentary colors.



68.9920, 77.8532, 93.8303



90.0201, 96.6740, 108.5231



65.5878, 78.8130, 68.7477



19.1220, 20.5950, 23.2173



0.0000, 0.0000, 0.0000



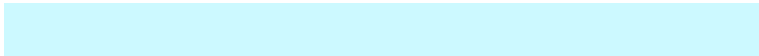
20.3446, 21.4041, 23.3091

Same Dimension

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



68.9920, 77.8532, 93.8303



76.7609, 87.6754, 107.4851



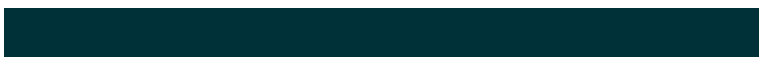
63.5112, 66.8916, 92.0033



16.0734, 17.5809, 20.2679



21.3938, 29.0118, 49.6001



1.8256, 2.5052, 4.1415

Inverse Universe

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



71.3558, 65.3720, 87.4581



79.8981, 71.2718, 98.9919



72.9772, 76.1140, 64.8795



16.3665, 15.9963, 19.4861



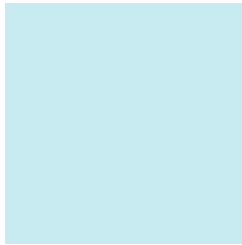
26.1242, 12.7221, 34.9002



2.1964, 1.0676, 3.0252

Previews

White Background



This preview shows how the XYZ color 68.9897, 77.8500, 93.8285 looks on a white background.

Color Contrast Check

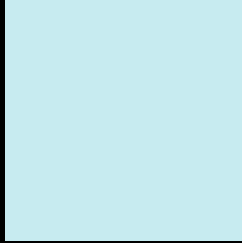
Large Text (above 18pt) WCAG AA × Fail

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 68.9897, 77.8500, 93.8285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

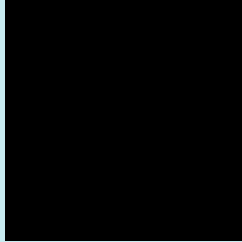
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.9897, 77.8500, 93.8285

Background



This preview shows how black text looks on a background with the XYZ color 68.9897, 77.8500, 93.8285.

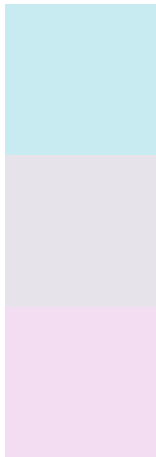


This preview shows how white text looks on a background with the XYZ color 68.9897, 77.8500,

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

68.9897, 77.8500, 93.8285

Protanopia

75.0976, 77.7593, 89.6482

Deuteranopia

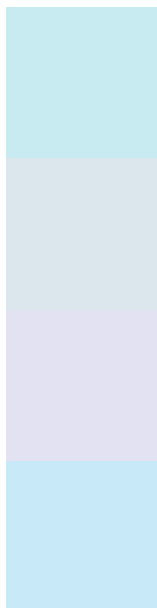
78.9963, 77.2387, 95.5390



Tritanopia

70.7970, 77.7236, 103.3662

Trichromacy



Original Color

68.9897, 77.8500, 93.8285

Protanomaly

72.7963, 77.7681, 91.2947

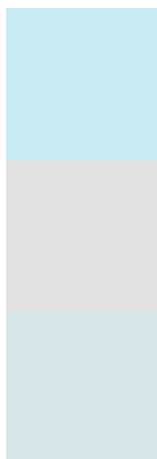
Deuteranomaly

74.9019, 77.1344, 94.9451

Tritanomaly

70.1855, 77.9023, 100.1444

Monochromacy



Original Color

68.9897, 77.8500, 93.8285

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.6211, 76.3507, 85.8779

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9897, 77.8500, 93.8285 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, 235, 240)` looks like.

```
.text, #text, p{  
    color:rgb(199, 235, 240)  
}
```

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, 235, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 235, 240) }
```

Border

The CSS property to change the border of an element to XYZ 68.9897, 77.8500, 93.8285 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, 235, 240) }
```


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

```
.border{ border-color:rgb(199, 235, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 235, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 235, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 235, 240);  
box-shadow:4px 4px 4px 4px rgb(199, 235,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9897, 77.8500, 93.8285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 235, 240) }
```

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

```
.background{ background-color: rgb(199,  
235, 240) }
```

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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