

Converting Colors

XYZ(69.7118, 79.3572, 97.3783)

Have a look what the booklet for
XYZ(69.7118, 79.3572, 97.3783)
contains.

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Color

**XYZ(69.6686, 79.4165,
97.2449)**

Conversions

Conversions Part 1

Format	Color
Hex	C4EEF4
RGB	196, 238, 244
RGB Percent	77%, 93%, 96%
CMY	0.2314, 0.0666, 0.0431
CMYK	0.20, 0.02, 0.00, 0.04
HSL	187°, 69%, 86%
HSV	187°, 20%, 96%
XYZ	69.6686, 79.4165, 97.2449
YIQ	226.1260, -26.9580, -7.0380

Conversions

Conversions Part 2

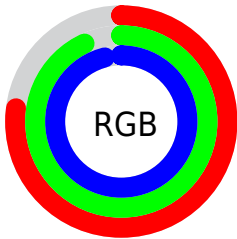
Format	Color
R _Y B	196, 218, 244
Decimal	12906228
CIE Lab	91.42, -12.21, -7.39
CIE LCh	91, 14.272, 211.199
Yxy	79.4165, 0.2828, 0.3224
Android (android.graphics.Color)	4291096308 (0xFFC4EEF4)
YUV	226.1260, 8.8119, -26.4205
Hunter-Lab	89.1159, -16.4061, -2.3172

Details

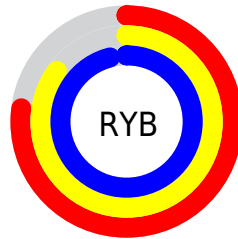
The XYZ color **69.6686, 79.4165, 97.2449** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.3932, 65.4597, 61.2563**, and the grayscale version is **72.3340, 76.1010, 82.8740**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **36.7896, 42.7495, 53.8894** is the 20% darker color. If you saturate the color by 10%, you get **62.9513, 74.6492, 96.6800**, and if you desaturate by 10%, it is **77.4377, 84.7524, 97.8667**.

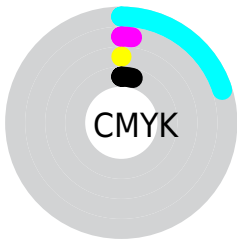
Distribution



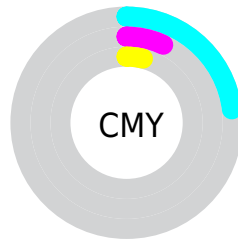
- Red (77%)
- Green (93%)
- Blue (96%)



- Red (77%)
- Yellow (85%)
- Blue (96%)



- Cyan (20%)
- Magenta (2%)
- Yellow (0%)
- Black (4%)



- Cyan (23%)
- Magenta (7%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.6686, 79.4165, 97.2449 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 69.6686, 79.4165, 97.2449 by changing the saturation by 10% instead.

■ 69.6686, 79.4165,
97.2449

■ 69.6686, 79.4165,
97.2449

448.6701,
492.9642, 572.4940

■ 51.5350, 59.2383,
73.3976

117.7649,
132.5450, 159.3846

■ 36.8574, 42.8050,
53.8074

148.4583,
166.2642, 198.5140

■ 25.2702, 29.7321,
38.0555

184.0691,
205.2658, 243.5747

■ 16.4083, 19.6354,
25.7236

224.9625,
249.9342, 294.9850

■ 9.9062, 12.1303,
16.3931

271.5039,
300.6539, 353.1635

■ 5.3986, 6.8325,
9.6454

324.0588,

■ 2.5201, 3.3575,

357.8092, 418.5289

5.0620

382.9924,
421.7845, 491.4995

■ 0.9054, 1.3211,
2.2243

■ 0.0000, 0.1575,
0.6883

■ 69.6686, 79.4165,
97.2449

■ 69.6686, 79.4165,
97.2449

■ 62.9513, 74.6492,
96.6800

■ 77.4377, 84.7524,
97.8667

■ 57.2290, 70.4150,
96.1644

■ 86.2981, 90.6713,
98.5421

■ 52.4500, 66.6891,
95.6971

■ 90.8760, 94.4051,
99.0215

■ 48.5549, 63.4410,
95.2754

■ 91.8167, 96.2864,
99.3351

■ 45.4779, 60.6364,
94.8963

■ 92.7726, 98.1983,
99.6537

■ 43.1435, 58.2364,
94.5560

■ 93.3294, 99.3117,
99.8393

■ 41.4621, 56.1947,
94.2506

■ 40.2893, 54.4368,
93.9731

■ 40.2540, 54.3811,
93.9642

Harmonies

Analogous

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



68.7175, 79.4165, 86.8900



69.6686, 79.4165, 97.2449



72.1700, 79.4165, 105.1977

Triad

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



69.6686, 79.4165, 97.2449



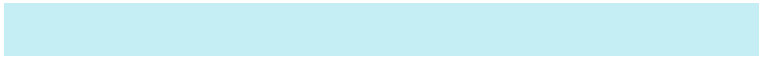
81.7662, 79.4165, 96.4636



75.3371, 79.4165, 67.9857

Complementary

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



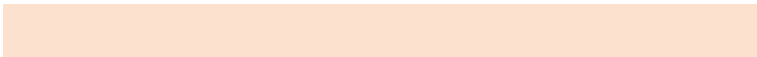
69.6686, 79.4165, 97.2449



68.3932, 65.4597, 61.2563

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.



78.8959, 79.4165, 70.1102



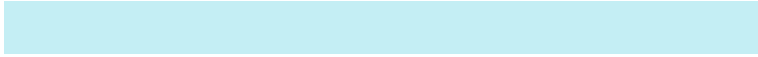
69.6686, 79.4165, 97.2449



82.6786, 79.4165, 86.0535

Square

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



69.6686, 79.4165, 97.2449



79.1567, 79.4165, 104.7217



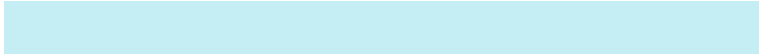
81.6122, 79.4165, 76.5239



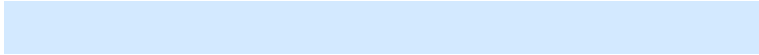
71.9248, 79.4165, 70.4745

Rectangle

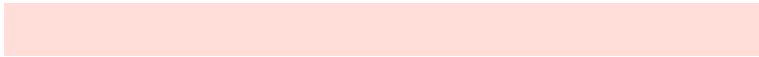
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



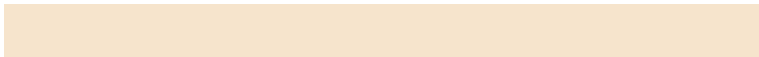
69.6686, 79.4165, 97.2449



74.4201, 79.4165, 107.7681



81.6122, 79.4165, 76.5239



76.5560, 79.4165, 68.1827

Sweetspot

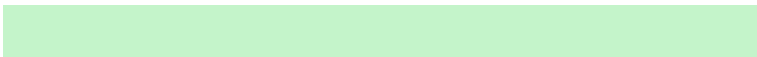
The Sweet Spot groups the original color and five complimentary colors.



69.6709, 79.4198, 97.2467



89.0366, 95.9993, 108.4447



65.7304, 80.6839, 67.7398



18.9232, 20.4577, 23.2013



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.



69.6709, 79.4198, 97.2467



73.6160, 85.4012, 107.2118



63.2434, 66.5648, 95.1042



16.8097, 18.3837, 21.2050



21.9572, 29.7082, 51.1150



1.9783, 2.7081, 4.5087

Inverse Universe

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



72.4826, 64.8877, 89.5970



77.3305, 66.4919, 97.0409



74.3611, 77.3955, 63.2456



17.1193, 16.7306, 20.3747



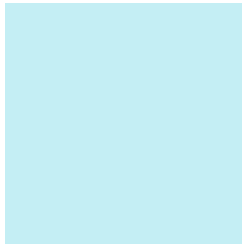
26.8875, 13.0984, 35.7115



2.3876, 1.1610, 3.2677

Previews

White Background



This preview shows how the XYZ color 69.6686, 79.4165, 97.2449 looks on a white background.

Color Contrast Check

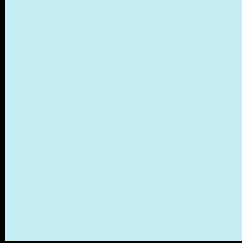
Large Text (above 18pt) WCAG AA × Fail

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 69.6686, 79.4165, 97.2449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

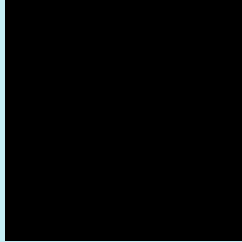
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.6686, 79.4165, 97.2449

Background



This preview shows how black text looks on a background with the XYZ color 69.6686, 79.4165, 97.2449.

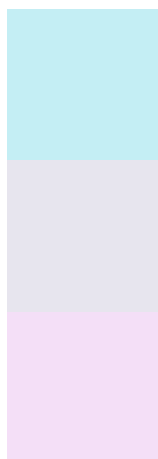


This preview shows how white text looks on a background with the XYZ color 69.6686, 79.4165,

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

69.6686, 79.4165, 97.2449

Protanopia

76.4069, 79.2006, 92.1491

Deuteranopia

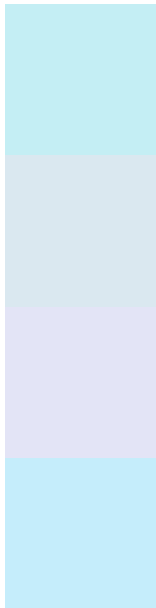
80.4844, 78.7238, 98.9489



Tritanopia

71.3342, 79.2167, 106.1384

Trichromacy



Original Color

69.6686, 79.4165, 97.2449

Protanomaly

73.4982, 78.9099, 93.7954

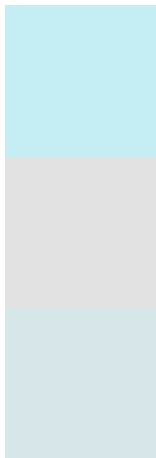
Deuteranomaly

76.0565, 78.4715, 98.3267

Tritanomaly

70.7227, 79.4037, 102.8658

Monochromacy



Original Color

69.6686, 79.4165, 97.2449

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.0291, 76.9239, 88.1950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.6686, 79.4165, 97.2449 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(196, 238, 244)` looks like.

```
.text, #text, p{  
    color:rgb(196, 238, 244)  
}
```

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(196, 238, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 238, 244) }
```

Border

The CSS property to change the border of an element to XYZ 69.6686, 79.4165, 97.2449 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(196, 238, 244) }
```


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

```
.border{ border-color:rgb(196, 238, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 238, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 238, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 238, 244);  
box-shadow:4px 4px 4px 4px rgb(196, 238,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 69.6686, 79.4165, 97.2449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 238, 244) }
```

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

```
.background{ background-color: rgb(196,  
238, 244) }
```

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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