

Converting Colors

XYZ(67.8021, 74.6841, 96.9513)

Have a look what the booklet for
XYZ(67.8021, 74.6841, 96.9513)
contains.

XYZ(67.7894, 74.6370, 97.2197)	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(67.7894, 74.6370,
97.2197)**

Conversions

Conversions Part 1

Format	Color
Hex	C6E5F5
RGB	198, 229, 245
RGB Percent	78%, 90%, 96%
CMY	0.2235, 0.1019, 0.0392
CMYK	0.19, 0.07, 0.00, 0.04
HSL	200°, 70%, 87%
HSV	200°, 19%, 96%
XYZ	67.7894, 74.6370, 97.2197
YIQ	221.5550, -23.6120, -1.5960

Conversions

Conversions Part 2

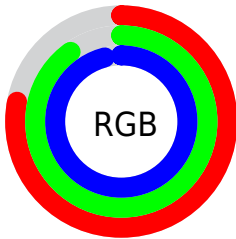
Format	Color
R _Y B	198, 217, 245
Decimal	13034997
CIE Lab	89.22, -6.82, -11.17
CIE LCh	89, 13.085, 238.603
Yxy	74.6370, 0.2829, 0.3114
Android (android.graphics.Color)	4291225077 (0xFFC6E5F5)
YUV	221.5550, 11.5584, -20.6577
Hunter-Lab	86.3927, -11.1244, -6.2455

Details

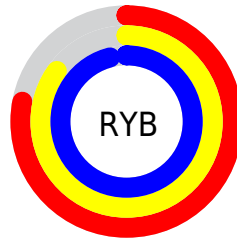
The XYZ color **67.7894, 74.6370, 97.2197** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.8963, 71.5826, 63.4549**, and the grayscale version is **69.0523, 72.6484, 79.1141**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.8230, 39.8755, 53.9528** is the 20% darker color. If you saturate the color by 10%, you get **59.5948, 67.0710, 96.1924**, and if you desaturate by 10%, it is **77.1438, 82.9693, 98.3362**.

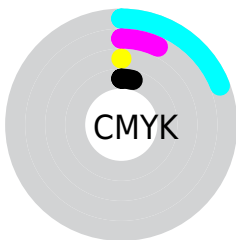
Distribution



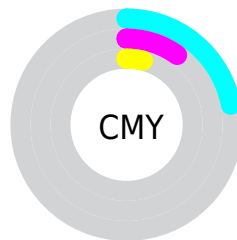
- Red (78%)
- Green (90%)
- Blue (96%)



- Red (78%)
- Yellow (85%)
- Blue (96%)



- Cyan (19%)
- Magenta (7%)
- Yellow (0%)
- Black (4%)



- Cyan (22%)
- Magenta (10%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7894, 74.6370, 97.2197 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 67.7894, 74.6370, 97.2197 by changing the saturation by 10% instead.

67.7894, 74.6370,
97.2197

67.7894, 74.6370,
97.2197

442.1379,
476.6690, 572.4118

49.9995, 55.3156,
73.3767

115.0944,
125.7984, 159.3495

35.6308, 39.6544,
53.7904

145.3401,
158.4071, 198.4735

24.3180, 27.2692,
38.0421

180.4686,
196.2137, 243.5282

15.6957, 17.7755,
25.7133

220.8450,
239.6026, 294.9322

9.3985, 10.7889,
16.3854

266.8348,
288.9582, 353.1040

5.0612, 5.9251,
9.6400

318.8033,

2.3184, 2.7996,

344.6649, 418.4622

5.0584

377.1159,
407.1070, 491.4253

0.8040, 1.0280,
2.2223

0.0000, 0.0000,
0.6872

67.7894, 74.6370,
97.2197

67.7894, 74.6370,
97.2197

59.5948, 67.0710,
96.1924

77.1438, 82.9693,
98.3362

52.5018, 60.2331,
95.2464

87.6996, 92.0859,
99.5395

46.4566, 54.0954,
94.3803

93.1703, 98.7499,
100.5374

41.3983, 48.6240,
93.5909

93.4817, 99.3727,
100.6412

■ 37.2590, 43.7814,
92.8743

■ 33.9614, 39.5254,
92.2266

■ 31.4142, 35.8063,
91.6430

■ 29.4789, 32.5500,
91.1165

■ 29.3339, 32.2972,
91.0753

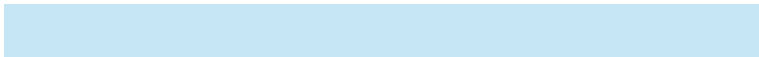
Harmonies

Analogous

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



65.6850, 74.6370, 89.9794



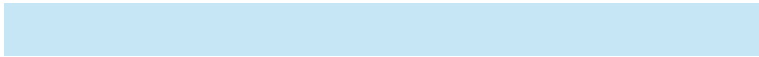
67.7894, 74.6370, 97.2197



70.7907, 74.6370, 100.1441

Triad

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



67.7894, 74.6370, 97.2197



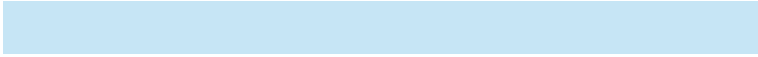
77.2571, 74.6370, 81.6964



68.0412, 74.6370, 66.7857

Complementary

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



67.7894, 74.6370, 97.2197



71.8963, 71.5826, 63.4549

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.



71.0900, 74.6370, 64.9250



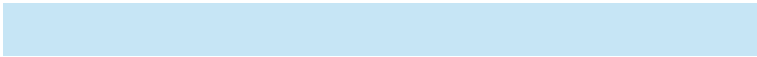
67.7894, 74.6370, 97.2197



76.4685, 74.6370, 73.1360

Square

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



67.7894, 74.6370, 97.2197



76.3113, 74.6370, 90.7763



74.1872, 74.6370, 67.1625



65.8273, 74.6370, 72.4462

Rectangle

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



67.7894, 74.6370, 97.2197



72.9170, 74.6370, 99.0977



74.1872, 74.6370, 67.1625



68.9995, 74.6370, 65.7147

Sweetspot

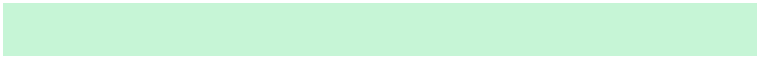
The Sweet Spot groups the original color and five complimentary colors.



67.7916, 74.6401, 97.2214



88.0046, 93.9351, 108.1007



68.0375, 82.1499, 75.6673



18.6787, 19.9688, 23.1198



0.0000, 0.0000, 0.0000



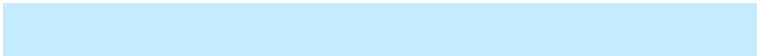
20.3446, 21.4041, 23.3091

Same Dimension

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



67.7916, 74.6401, 97.2214



70.6253, 78.4411, 106.0260



61.8027, 62.6622, 95.2251



16.4941, 17.7524, 21.0998



15.9361, 17.6659, 49.1080



1.4957, 1.7428, 4.3478

Inverse Universe

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



71.9949, 65.4594, 82.9727



76.0598, 66.8983, 87.5299



78.1830, 84.1560, 65.5505



16.9600, 16.6668, 19.5357



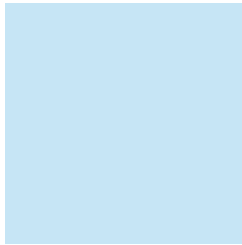
23.8483, 11.8828, 19.7074



2.1440, 1.0636, 1.9847

Previews

White Background



This preview shows how the XYZ color 67.7894, 74.6370, 97.2197 looks on a white background.

Color Contrast Check

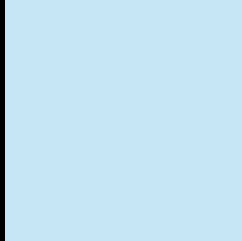
Large Text (above 18pt) WCAG AA × Fail

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 67.7894, 74.6370, 97.2197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

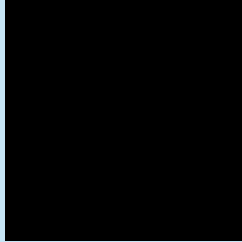
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

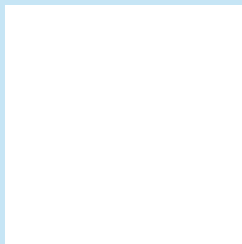
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.7894, 74.6370, 97.2197

Background



This preview shows how black text looks on a background with the XYZ color 67.7894, 74.6370, 97.2197.

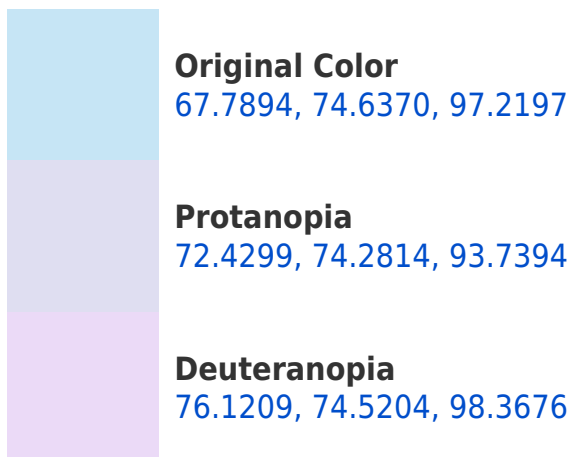


This preview shows how white text looks on a background with the XYZ color 67.7894, 74.6370,

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

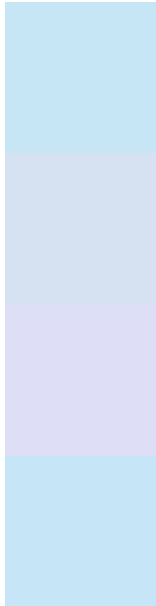




Tritanopia

68.0965, 74.7598, 98.8367

Trichromacy



Original Color

67.7894, 74.6370, 97.2197

Protanomaly

70.6838, 74.5574, 94.6700

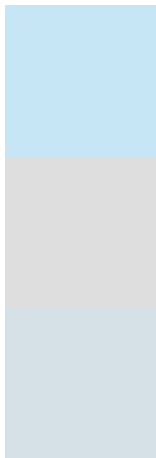
Deuteranomaly

72.8800, 74.4260, 97.7132

Tritanomaly

67.9426, 74.6982, 98.0260

Monochromacy



Original Color

67.7894, 74.6370, 97.2197

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.6487, 73.7097, 85.4721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7894, 74.6370, 97.2197 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(198, 229, 245)` looks like.

```
.text, #text, p{  
    color:rgb(198, 229, 245)  
}
```

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(198, 229, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 229, 245) }
```

Border

The CSS property to change the border of an element to XYZ 67.7894, 74.6370, 97.2197 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(198, 229, 245) }
```


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

```
.border{ border-color:rgb(198, 229, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 229, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 229, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 229, 245);  
box-shadow:4px 4px 4px 4px rgb(198, 229,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7894, 74.6370, 97.2197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 229, 245) }
```

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

```
.background{ background-color: rgb(198,  
229, 245) }
```

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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