

Converting Colors

XYZ(69.7964, 79.0664,
102.2132)

Have a look what the booklet for
XYZ(69.7964, 79.0664, 102.2132)
contains.

XYZ(69.7876, 78.9398, 102.0012)	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(69.7876, 78.9398,
102.0012)**

Conversions

Conversions Part 1

Format	Color
Hex	C2EDFA
RGB	194, 237, 250
RGB Percent	76%, 93%, 98%
CMY	0.2392, 0.0706, 0.0196
CMYK	0.22, 0.05, 0.00, 0.02
HSL	194°, 85%, 87%
HSV	194°, 22%, 98%
XYZ	69.7876, 78.9398, 102.0012
YIQ	225.6250, -29.8010, -5.0730

Conversions

Conversions Part 2

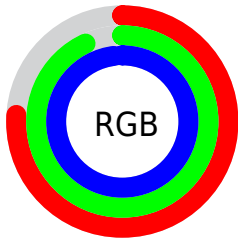
Format	Color
RYB	194, 218, 250
Decimal	12774906
CIELab	91.21, -11.02, -10.85
CIELCh	91, 15.470, 224.559
Yxy	78.9398, 0.2783, 0.3148
Android (android.graphics.Color)	4290964986 (0xFFC2EDFA)
YUV	225.6250, 12.0169, -27.7351
Hunter-Lab	88.8481, -15.2775, -5.8737

Details

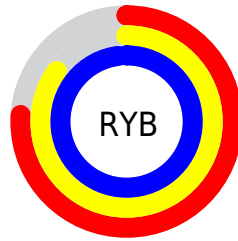
The XYZ color **69.7876, 78.9398, 102.0012** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.4756, 68.8449, 60.5618**, and the grayscale version is **71.9513, 75.6984, 82.4355**.

A 20% lighter version of the original color is **93.5937, 99.2492, 108.8318**, and **36.9089, 42.4318, 57.2838** is the 20% darker color. If you saturate the color by 10%, you get **62.2509, 72.6027, 101.1765**, and if you desaturate by 10%, it is **78.4627, 85.9485, 102.8981**.

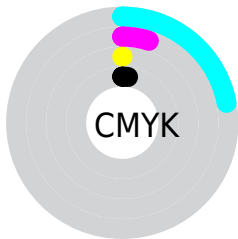
Distribution



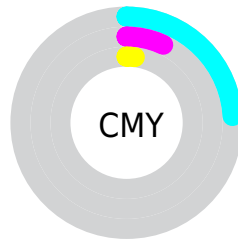
- Red (76%)
- Green (93%)
- Blue (98%)



- Red (76%)
- Yellow (85%)
- Blue (98%)



- Cyan (22%)
- Magenta (5%)
- Yellow (0%)
- Black (2%)



- Cyan (24%)
- Magenta (7%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.7876, 78.9398, 102.0012 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 69.7876, 78.9398, 102.0012 by changing the saturation by 10% instead.

69.7876, 78.9398,
102.0012

69.7876, 78.9398,
102.0012

449.0819,
491.3527, 587.8912

51.6324, 58.8463,
77.3467

117.9337,
131.8741, 165.9804

36.9352, 42.4894,
57.0242

148.6553,
165.4837, 206.1421

25.3308, 29.4847,
40.6152

184.2964,
204.3675, 252.3101

16.4537, 19.4478,
27.7011

225.2224,
248.9098, 304.9027

9.9387, 11.9943,
17.8634

271.7986,
299.4951, 364.3386

5.4203, 6.7398,
10.6835

324.3903,

2.5332, 3.2999,

356.5078, 431.0363

5.7430

383.3630,
420.3321, 505.4143

■ 0.9120, 1.2902,
2.6232

■ 0.0000, 0.1336,
0.9044

■ 69.7876, 78.9398,
102.0012

■ 69.7876, 78.9398,
102.0012

■ 62.2509, 72.6027,
101.1765

■ 78.4627, 85.9485,
102.8981

■ 55.7911, 66.8987,
100.4160

■ 88.3199, 93.6460,
103.8643

■ 50.3514, 61.7998,
99.7185

■ 94.0682, 99.3075,
104.6541

■ 45.8667, 57.2716,
99.0809

■ 94.2556, 99.6822,
104.7166

■ 42.2641, 53.2758,
98.4995

■ 39.4596, 49.7683,
97.9703

■ 37.3518, 46.6960,
97.4884

■ 36.1004, 44.5919,
97.1482

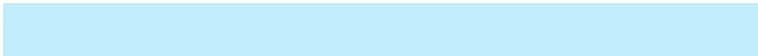
Harmonies

Analogous

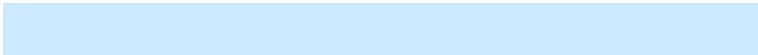
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.9700, 78.9398, 91.4920



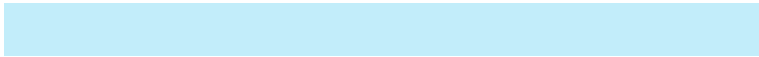
69.7876, 78.9398, 102.0012



73.0414, 78.9398, 108.4780

Triad

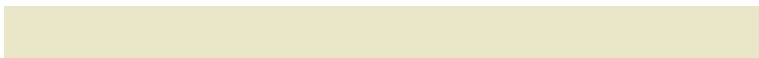
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.7876, 78.9398, 102.0012



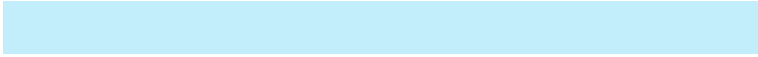
82.5305, 78.9398, 91.8271



73.1515, 78.9398, 66.7099

Complementary

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



69.7876, 78.9398, 102.0012



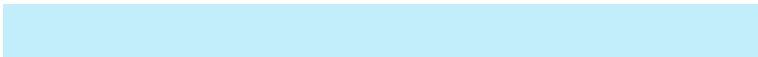
71.4756, 68.8449, 60.5618

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.



77.0542, 78.9398, 66.7826



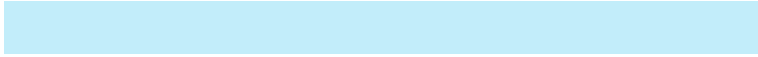
69.7876, 78.9398, 102.0012



82.5625, 78.9398, 80.6403

Square

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



69.7876, 78.9398, 102.0012



80.4424, 78.9398, 102.2648



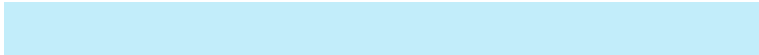
80.5284, 78.9398, 71.6813



69.8658, 78.9398, 71.4734

Rectangle

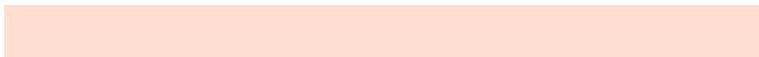
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



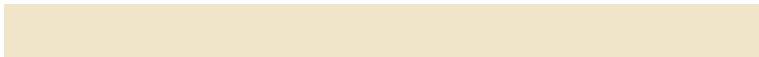
69.7876, 78.9398, 102.0012



75.6305, 78.9398, 109.3101



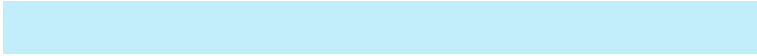
80.5284, 78.9398, 71.6813



74.4325, 78.9398, 66.1837

Sweetspot

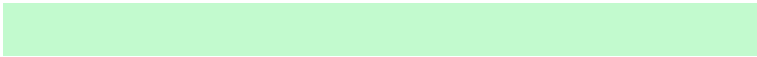
The Sweet Spot groups the original color and five complimentary colors.



69.7899, 78.9430, 102.0030



87.4777, 94.1555, 108.1710



67.5920, 84.3047, 71.1890



18.5904, 20.0489, 23.1400



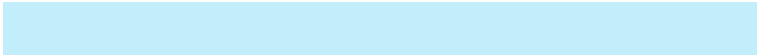
0.0000, 0.0000, 0.0000



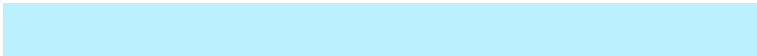
20.3446, 21.4041, 23.3091

Same Dimension

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



69.7899, 78.9430, 102.0030



69.2087, 79.4229, 106.2902



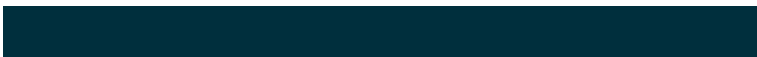
62.5187, 64.4005, 99.5792



17.4043, 18.8854, 22.1132



19.2635, 23.8826, 51.5681



1.8641, 2.3718, 4.8027

Inverse Universe

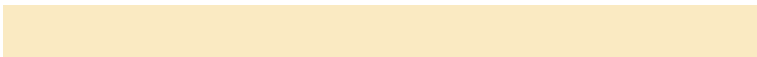
The Inverse Universe completely reimagines the original color for something new.



74.0040, 65.0238, 88.7748



74.4135, 62.6743, 89.8525



78.6242, 83.1421, 62.9446



17.8106, 17.4516, 20.8584



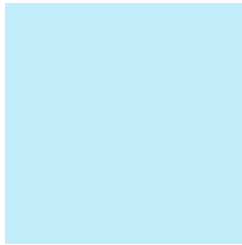
26.0154, 12.8219, 27.8531



2.4498, 1.2037, 2.7921

Previews

White Background



This preview shows how the XYZ color 69.7876, 78.9398, 102.0012 looks on a white background.

Color Contrast Check

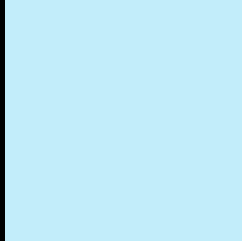
Large Text (above 18pt) WCAG AA × Fail

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 69.7876, 78.9398, 102.0012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

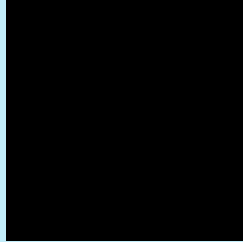
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.7876, 78.9398, 102.0012

Background



This preview shows how black text looks on a background with the XYZ color 69.7876, 78.9398, 102.0012.

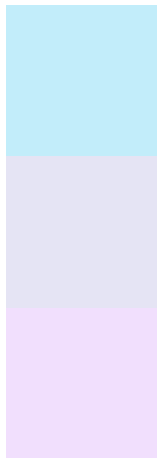


This preview shows how white text looks on a background with the XYZ color 69.7876, 78.9398,

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

69.7876, 78.9398, 102.0012

Protanopia

76.3856, 78.6765, 96.7481

Deuteranopia

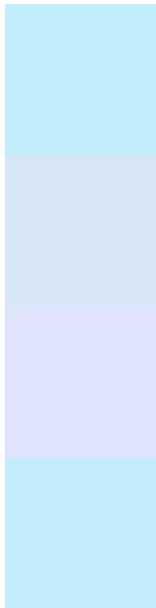
80.3929, 78.5680, 103.8565



Tritanopia

70.5511, 78.8130, 106.1017

Trichromacy



Original Color

69.7876, 78.9398, 102.0012

Protanomaly

73.5294, 78.4046, 98.4470

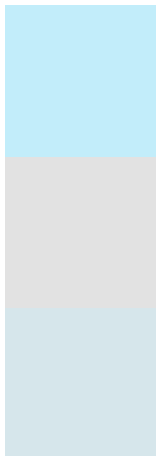
Deuteranomaly

76.0546, 78.3624, 103.2124

Tritanomaly

70.2308, 78.6849, 104.4146

Monochromacy



Original Color

69.7876, 78.9398, 102.0012

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.0238, 76.8879, 89.6948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7876, 78.9398, 102.0012 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, 237, 250)` looks like.

```
.text, #text, p{  
    color:rgb(194, 237, 250)  
}
```

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, 237, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 237, 250) }
```

Border

The CSS property to change the border of an element to XYZ 69.7876, 78.9398, 102.0012 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, 237, 250) }
```


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

```
.border{ border-color:rgb(194, 237, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 237, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 237, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 237, 250);  
box-shadow:4px 4px 4px 4px rgb(194, 237,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7876, 78.9398, 102.0012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 237, 250) }
```

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

```
.background{ background-color: rgb(194,  
237, 250) }
```

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