

Converting Colors

XYZ(71.9720, 88.5690, 86.7592)

Have a look what the booklet for
XYZ(71.9720, 88.5690, 86.7592)
contains.

XYZ(72.0117, 88.5908, 86.7031)	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(72.0117, 88.5908,
86.7031)**

Conversions

Conversions Part 1

Format	Color
Hex	C2FFE4
RGB	194, 255, 228
RGB Percent	76%, 100%, 89%
CMY	0.2392, 0.0000, 0.1059
CMYK	0.24, 0.00, 0.11, 0.00
HSL	153°, 100%, 88%
HSV	153°, 24%, 100%
XYZ	72.0117, 88.5908, 86.7031
YIQ	233.6830, -27.6890, -21.3290

Conversions

Conversions Part 2

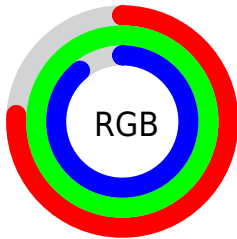
Format	Color
RYB	194, 233, 255
Decimal	12779492
CIELab	95.41, -24.39, 6.71
CIELCh	95, 25.299, 164.624
Yxy	88.5908, 0.2912, 0.3582
Android (android.graphics.Color)	4290969572 (0xFFC2FFE4)
YUV	233.6830, -2.8017, -34.8020
Hunter-Lab	94.1227, -28.1473, 11.2696

Details

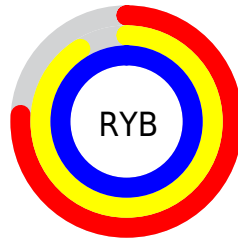
The XYZ color **72.0117, 88.5908, 86.7031** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.5834, 65.0649, 77.0872**, and the grayscale version is **78.0022, 82.0644, 89.3681**.

A 20% lighter version of the original color is **93.5937, 99.2492, 108.8318**, and **38.3844, 48.8943, 46.9496** is the 20% darker color. If you saturate the color by 10%, you get **64.5029, 84.8950, 78.4385**, and if you desaturate by 10%, it is **80.7473, 92.9071, 95.5619**.

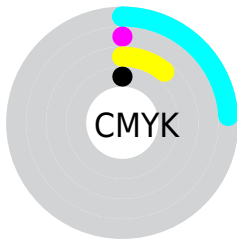
Distribution



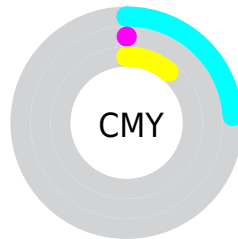
- Red (76%)
- Green (100%)
- Blue (89%)



- Red (76%)
- Yellow (91%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.0117, 88.5908, 86.7031 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 72.0117, 88.5908, 86.7031 by changing the saturation by 10% instead.


 72.0117, 88.5908,
86.7031

 72.0117, 88.5908,
86.7031


456.7393,
523.4360, 537.5376

 53.4537, 66.8125,
64.6913


 121.0839,
145.3794, 144.6455

 38.3940, 48.9322,
46.7611


152.3288,
181.1584, 181.4131

 26.4673, 34.5657,
32.4938


188.5334,
222.3732, 223.9365

 17.3080, 23.3285,
21.4710

230.0631,
269.4080, 272.6340

 10.5510, 14.8363,
13.2742

277.2831,
322.6473, 327.9244

 5.8309, 8.7046,
7.4847

330.5590,

 2.7822, 4.5490,

382.4755, 390.2261

3.6840

390.2559,
449.2769, 459.9577

■ 1.0396, 1.9852,
1.4536

■ 0.0000, 0.5988,
0.1830

■ 72.0117, 88.5908,
86.7031

■ 72.0117, 88.5908,
86.7031

■ 64.5029, 84.8950,
78.4385

■ 80.7473, 92.9071,
95.5619

■ 58.1594, 81.7883,
70.7509

■ 90.7625, 97.8711,
105.0231

■ 52.9174, 79.2382,
63.6284

■ 95.0500, 100.0000,
108.9000

■ 48.7061, 77.2083,
57.0569

■ 45.4459, 75.6578,
51.0216

■ 43.0445, 74.5394,
45.5067

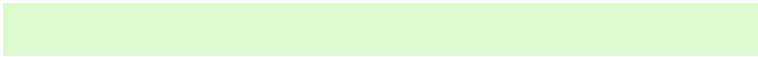
■ 41.3898, 73.7956,
40.4950

■ 40.6527, 73.4771,
37.6845

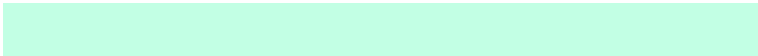
Harmonies

Analogous

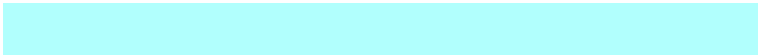
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.1961, 88.5908, 71.7968



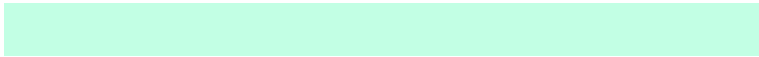
72.0117, 88.5908, 86.7031



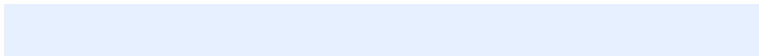
71.9710, 88.5908, 106.4067

Triad

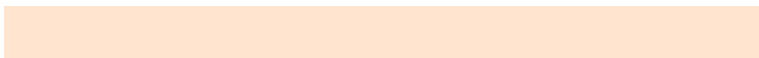
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.0117, 88.5908, 86.7031



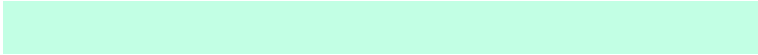
87.6078, 88.5908, 138.2393



94.0345, 88.5908, 72.0877

Complementary

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



72.0117, 88.5908, 86.7031



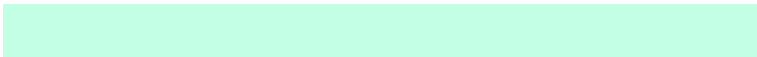
73.5834, 65.0649, 77.0872

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.



97.7477, 88.5908, 87.1539



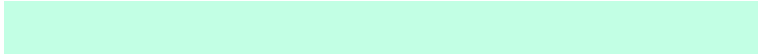
72.0117, 88.5908, 86.7031



93.9016, 88.5908, 126.2097

Square

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



72.0117, 88.5908, 86.7031



80.7232, 88.5908, 138.0748



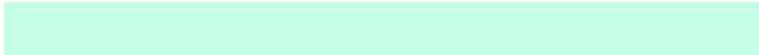
97.6978, 88.5908, 106.9234



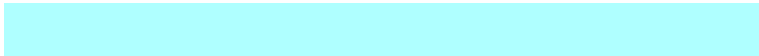
87.7812, 88.5908, 64.1799

Rectangle

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



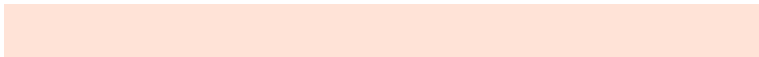
72.0117, 88.5908, 86.7031



73.7194, 88.5908, 119.7774



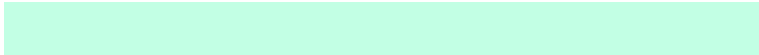
97.6978, 88.5908, 106.9234



95.6360, 88.5908, 76.3845

Sweetspot

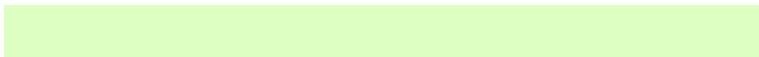
The Sweet Spot groups the original color and five complimentary colors.



72.0125, 88.5911, 86.7045



87.5390, 96.2719, 102.0447



75.4542, 90.8582, 64.6006



18.6048, 20.5406, 21.7183



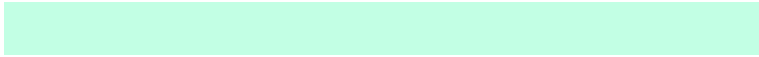
0.0000, 0.0000, 0.0000



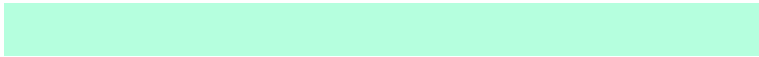
20.3446, 21.4041, 23.3091

Same Dimension

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



72.0125, 88.5911, 86.7045



68.0487, 86.6382, 82.4329



75.0934, 88.2791, 107.6895



18.1955, 20.3377, 21.3324



21.3183, 38.4239, 20.0933



2.1307, 3.7632, 2.2461

Inverse Universe

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



73.5834, 65.0649, 77.0872



69.8836, 59.1719, 71.2096



70.9559, 65.1112, 59.8680



18.3434, 18.1207, 20.4255



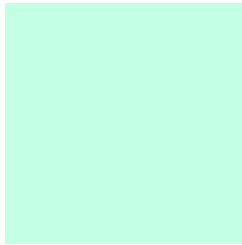
23.1745, 11.7591, 9.5696



2.3103, 1.1665, 1.2156

Previews

White Background



This preview shows how the XYZ color 72.0117, 88.5908, 86.7031 looks on a white background.

Color Contrast Check

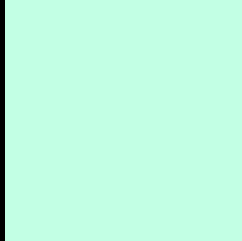
Large Text (above 18pt) WCAG AA × Fail

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 72.0117, 88.5908, 86.7031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

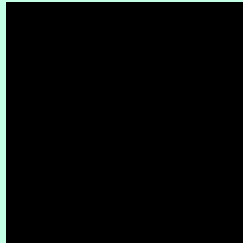
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

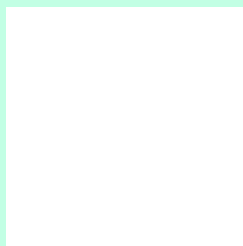
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.0117, 88.5908, 86.7031

Background



This preview shows how black text looks on a background with the XYZ color 72.0117, 88.5908, 86.7031.

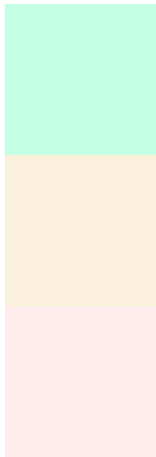


This preview shows how white text looks on a background with the XYZ color 72.0117, 88.5908,

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

72.0117, 88.5908, 86.7031

Protanopia

83.5027, 87.8115, 80.2584

Deuteranopia

86.8102, 87.9428, 92.5200



Tritanopia

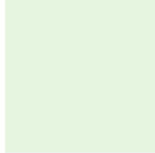
81.1338, 88.2128, 107.3583

Trichromacy



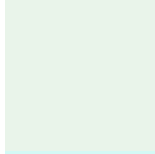
Original Color

72.0117, 88.5908, 86.7031



Protanomaly

78.6048, 87.4555, 82.5497



Deuteranomaly

80.8062, 87.9655, 90.5620



Tritanomaly

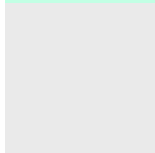
77.5085, 88.3410, 99.3526

Monochromacy



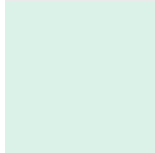
Original Color

72.0117, 88.5908, 86.7031



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.5310, 84.3905, 88.6520

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.0117, 88.5908, 86.7031 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, 255, 228)` looks like.

```
.text, #text, p{  
    color:rgb(194, 255, 228)  
}
```

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, 255, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 255, 228) }
```

Border

The CSS property to change the border of an element to XYZ 72.0117, 88.5908, 86.7031 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, 255, 228) }
```


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

```
.border{ border-color:rgb(194, 255, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 255, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(194, 255,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 72.0117, 88.5908, 86.7031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 255, 228) }
```

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

```
.background{ background-color: rgb(194,  
255, 228) }
```

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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