

Converting Colors

XYZ(76.3950, 96.5858, 87.1511)

Have a look what the booklet for
XYZ(76.3950, 96.5858, 87.1511)
contains.

XYZ(72.6511, 88.9364, 86.0104)	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(72.6511, 88.9364,
86.0104)**

Conversions

Conversions Part 1

Format	Color
Hex	C5FFE3
RGB	197, 255, 227
RGB Percent	77%, 100%, 89%
CMY	0.2274, 0.0000, 0.1098
CMYK	0.23, 0.00, 0.11, 0.00
HSL	151°, 100%, 89%
HSV	151°, 23%, 100%
XYZ	72.6511, 88.9364, 86.0104
YIQ	234.4660, -25.5800, -21.0040

Conversions

Conversions Part 2

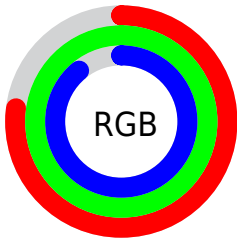
Format	Color
RYB	197, 235, 255
Decimal	12976099
CIELab	95.55, -23.67, 7.45
CIELCh	96, 24.818, 162.525
Yxy	88.9364, 0.2934, 0.3592
Android (android.graphics.Color)	4291166179 (0xFFC5FFE3)
YUV	234.4660, -3.6807, -32.8577
Hunter-Lab	94.3061, -27.5237, 11.9398

Details

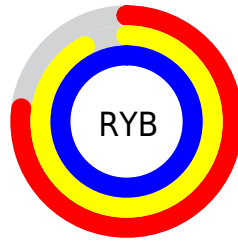
The XYZ color **72.6511, 88.9364, 86.0104** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.7973, 66.6297, 80.1528**, and the grayscale version is **78.6005, 82.6939, 90.0536**.

A 20% lighter version of the original color is **94.6831, 99.8108, 108.8828**, and **38.7958, 49.1175, 46.4656** is the 20% darker color. If you saturate the color by 10%, you get **64.8904, 85.1249, 77.0934**, and if you desaturate by 10%, it is **81.6643, 93.3794, 95.6230**.

Distribution



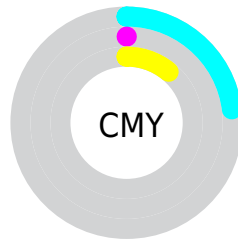
- Red (77%)
- Green (100%)
- Blue (89%)



- Red (77%)
- Yellow (92%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.6511, 88.9364, 86.0104 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 72.6511, 88.9364, 86.0104 by changing the saturation by 10% instead.


 72.6511, 88.9364,
86.0104

 72.6511, 88.9364,
86.0104


458.9272,
524.5649, 535.1970

 53.9781, 67.0988,
64.1216


121.9876,
145.8601, 143.6707

 38.8147, 49.1650,
46.3024


153.3817,
181.7151, 180.2793

 26.7957, 34.7504,
32.1341


189.7470,
223.0113, 222.6315

 17.5556, 23.4706,
21.1983

231.4487,
270.1331, 271.1460

 10.7292, 14.9414,
13.0764

278.8523,
323.4650, 326.2413

 5.9510, 8.7783,
7.3498

332.3229,

 2.8557, 4.5968,

383.3914, 388.3358

3.6001

392.2261,
450.2965, 457.8482

■ 1.0779, 2.0127,
1.4086

■ 0.0065, 0.6148,
0.1484

■ 72.6511, 88.9364,
86.0104

■ 72.6511, 88.9364,
86.0104

■ 64.8904, 85.1249,
77.0934

■ 81.6643, 93.3794,
95.6230

■ 58.3204, 81.9136,
68.8518

■ 91.9829, 98.4811,
105.9423

■ 52.8777, 79.2699,
61.2703

■ 95.0500, 100.0000,
108.9000

■ 48.4916, 77.1578,
54.3317

■ 45.0828, 75.5368,
48.0176

■ 42.5603, 74.3601,
42.3085

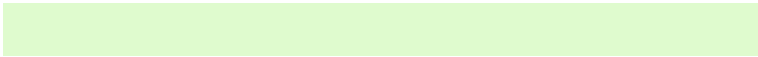
■ 40.8142, 73.5716,
37.1837

■ 39.9181, 73.1832,
33.8162

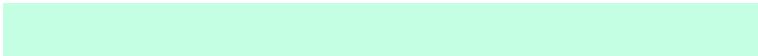
Harmonies

Analogous

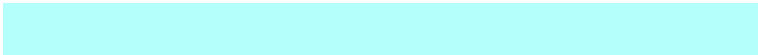
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.9895, 88.9364, 71.7540



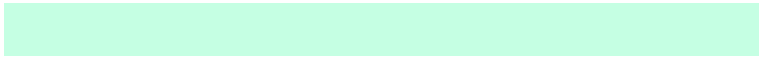
72.6511, 88.9364, 86.0104



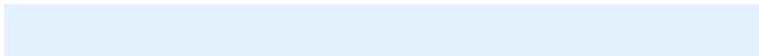
72.3869, 88.9364, 105.1954

Triad

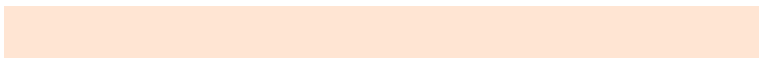
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.6511, 88.9364, 86.0104



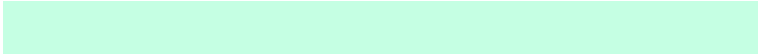
87.4017, 88.9364, 138.2333



94.5493, 88.9364, 73.6452

Complementary

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



72.6511, 88.9364, 86.0104



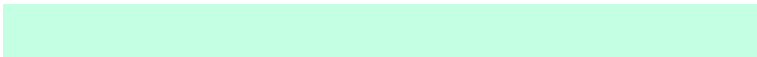
74.7973, 66.6297, 80.1528

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.



97.9635, 88.9364, 88.9328



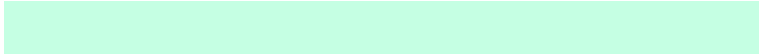
72.6511, 88.9364, 86.0104



93.6905, 88.9364, 127.1736

Square

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



72.6511, 88.9364, 86.0104



80.6614, 88.9364, 137.1736



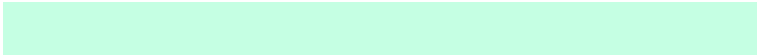
97.6410, 88.9364, 108.5352



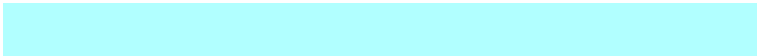
88.5232, 88.9364, 65.3012

Rectangle

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



72.6511, 88.9364, 86.0104



73.9686, 88.9364, 118.4219



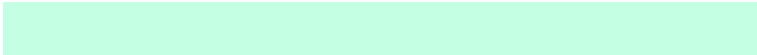
97.6410, 88.9364, 108.5352



96.0547, 88.9364, 78.0478

Sweetspot

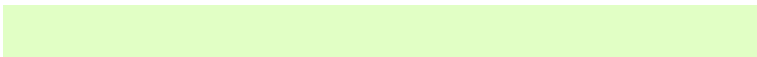
The Sweet Spot groups the original color and five complimentary colors.



72.6519, 88.9368, 86.0118



87.4286, 96.2277, 101.4632



76.9003, 91.5644, 66.4452



18.5793, 20.5304, 21.5836



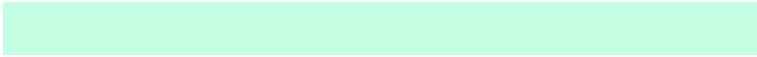
0.0000, 0.0000, 0.0000



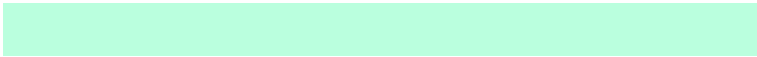
20.3446, 21.4041, 23.3091

Same Dimension

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



72.6519, 88.9368, 86.0118



69.1993, 87.2391, 82.1326



76.5289, 89.9954, 107.9451



18.1639, 20.3251, 21.1661



20.9340, 38.2702, 18.0693



2.0935, 3.7483, 2.0502

Inverse Universe

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



74.7973, 66.6297, 80.1528



71.6677, 61.5759, 75.3931



71.5052, 65.6652, 61.7305



18.3747, 18.1332, 20.5902



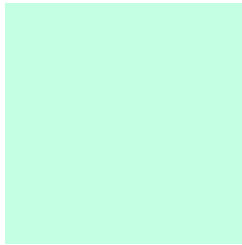
23.4948, 11.8872, 11.2558



2.3425, 1.1794, 1.3850

Previews

White Background



This preview shows how the XYZ color 72.6511, 88.9364, 86.0104 looks on a white background.

Color Contrast Check

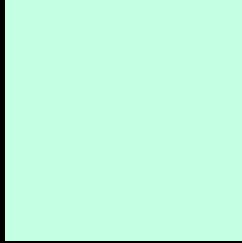
Large Text (above 18pt) WCAG AA × Fail

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 72.6511, 88.9364, 86.0104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

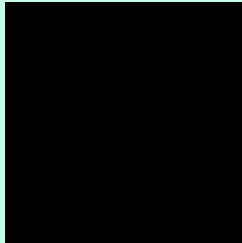
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

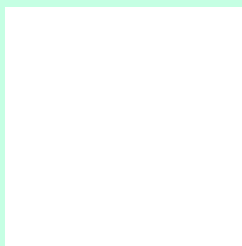
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.6511, 88.9364, 86.0104

Background



This preview shows how black text looks on a background with the XYZ color 72.6511, 88.9364, 86.0104.



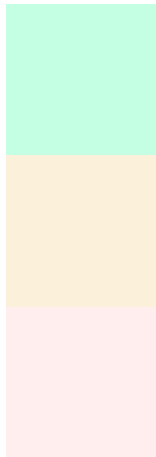
This preview shows how white text looks on a background with the XYZ color 72.6511, 88.9364,

86.0104.

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

72.6511, 88.9364, 86.0104

Protanopia

84.0251, 88.5343, 79.6781

Deuteranopia

87.1006, 88.5235, 92.6168



Tritanopia

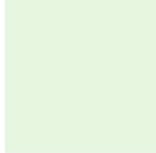
81.7537, 88.5324, 107.3873

Trichromacy



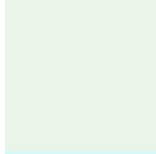
Original Color

72.6511, 88.9364, 86.0104



Protanomaly

79.0956, 88.1744, 81.9578



Deuteranomaly

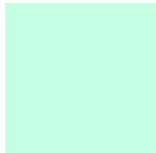
80.9903, 88.0770, 89.8227



Tritanomaly

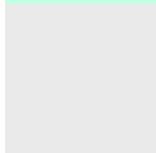
78.3814, 88.7910, 99.3934

Monochromacy



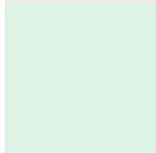
Original Color

72.6511, 88.9364, 86.0104



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.9947, 84.6459, 87.9343

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.6511, 88.9364, 86.0104 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(197, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 227)  
}
```

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(197, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 227) }
```

Border

The CSS property to change the border of an element to XYZ 72.6511, 88.9364, 86.0104 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(197, 255, 227) }
```


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

```
.border{ border-color:rgb(197, 255, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 255, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(197, 255,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 72.6511, 88.9364, 86.0104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 227) }
```

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

```
.background{ background-color: rgb(197,  
255, 227) }
```

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