

Converting Colors

XYZ(78.4458, 104.4964,
76.6187)

Have a look what the booklet for
XYZ(78.4458, 104.4964, 76.6187)
contains.

XYZ(70.0336, 87.8592, 73.5890)	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(70.0336, 87.8592,
73.5890)**

Conversions

Conversions Part 1

Format	Color
Hex	C4FFD1
RGB	196, 255, 209
RGB Percent	77%, 100%, 82%
CMY	0.2314, 0.0000, 0.1804
CMYK	0.23, 0.00, 0.18, 0.00
HSL	133°, 100%, 88%
HSV	133°, 23%, 100%
XYZ	70.0336, 87.8592, 73.5890
YIQ	232.1150, -20.3980, -26.8140

Conversions

Conversions Part 2

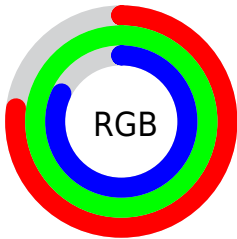
Format	Color
R _Y B	196, 244, 255
Decimal	12910545
CIE Lab	95.10, -27.28, 16.04
CIE LCh	95, 31.647, 149.547
Yxy	87.8592, 0.3025, 0.3796
Android (android.graphics.Color)	4291100625 (0xFFC4FFD1)
YUV	232.1150, -11.3957, -31.6729
Hunter-Lab	93.7332, -30.6653, 19.0653

Details

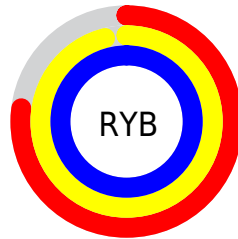
The XYZ color **70.0336, 87.8592, 73.5890** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77.0073, 67.1514, 92.9069**, and the grayscale version is **76.8811, 80.8849, 88.0836**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **37.0113, 48.3840, 37.9602** is the 20% darker color. If you saturate the color by 10%, you get **61.6447, 83.8015, 61.1394**, and if you desaturate by 10%, it is **79.8584, 92.6217, 87.7120**.

Distribution



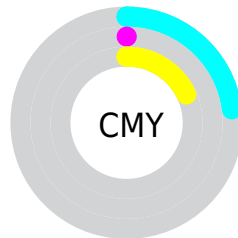
- Red (77%)
- Green (100%)
- Blue (82%)



- Red (77%)
- Yellow (96%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.0336, 87.8592, 73.5890 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 70.0336, 87.8592, 73.5890 by changing the saturation by 10% instead.


 70.0336, 87.8592,
73.5890

 70.0336, 87.8592,
73.5890


449.9325,
521.0420, 492.1791

 51.8336, 66.2065,
53.9630

118.2827,
144.3611, 126.0417

 37.0962, 48.4400,
38.1791


149.0625,
179.9791, 159.7054

 25.4560, 34.1755,
25.8188


184.7663,
221.0209, 198.8854

 16.5477, 23.0284,
16.4636

225.7594,
267.8711, 244.0003

 10.0058, 14.6145,
9.6949

272.4073,
320.9138, 295.4685

 5.4651, 8.5493,
5.0942

325.0752,

 2.5602, 4.4484,

380.5336, 353.7087

2.2429

384.1285,
447.1149, 419.1394

■ 0.9257, 1.9274,
0.6990

■ 0.0000, 0.5648,
0.0000

■ 70.0336, 87.8592,
73.5890

■ 70.0336, 87.8592,
73.5890

■ 61.6447, 83.8015,
61.1394

■ 79.8584, 92.6217,
87.7120

■ 54.6214, 80.4135,
50.2969

■ 91.1805, 98.1193,
103.5630

■ 48.8903, 77.6590,
40.9972

■ 95.0500, 100.0000,
108.9000

■ 44.3706, 75.4975,
33.1698

■ 40.9716, 73.8841,
26.7387

■ 38.5897, 72.7670,
21.6212

■ 37.1005, 72.0840,
17.7253

■ 36.4785, 71.8074,
15.7034

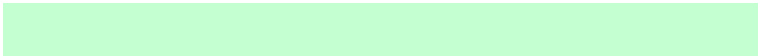
Harmonies

Analogous

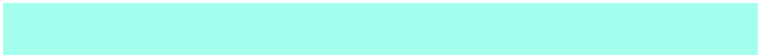
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.6066, 87.8592, 60.0605



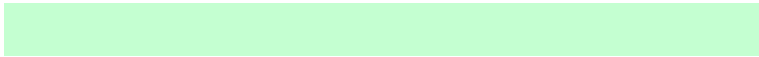
70.0336, 87.8592, 73.5890



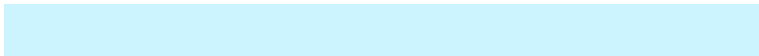
68.0225, 87.8592, 95.2892

Triad

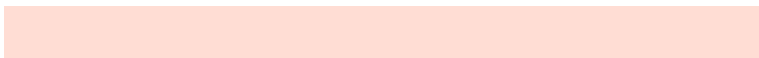
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.0336, 87.8592, 73.5890



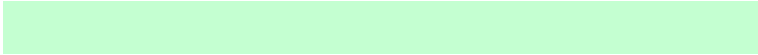
83.3767, 87.8592, 151.3397



98.7538, 87.8592, 74.1356

Complementary

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



70.0336, 87.8592, 73.5890



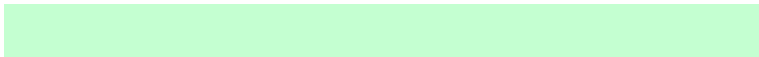
77.0073, 67.1514, 92.9069

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.



101.1805, 87.8592, 96.0392



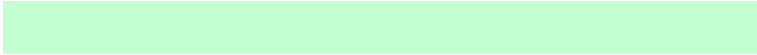
70.0336, 87.8592, 73.5890



91.9405, 87.8592, 143.1235

Square

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



70.0336, 87.8592, 73.5890



75.3946, 87.8592, 142.6335



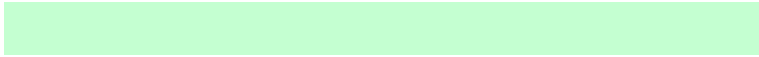
98.6075, 87.8592, 121.7628



92.1826, 87.8592, 60.3358

Rectangle

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



70.0336, 87.8592, 73.5890



68.8576, 87.8592, 112.4202



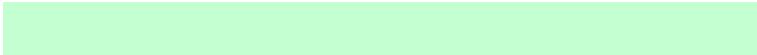
98.6075, 87.8592, 121.7628



100.1006, 87.8592, 80.6609

Sweetspot

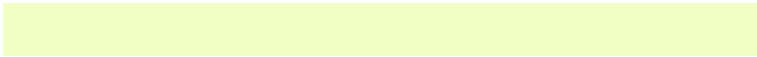
The Sweet Spot groups the original color and five complimentary colors.



70.0343, 87.8596, 73.5904



86.6248, 95.9062, 97.2305



82.4165, 94.4213, 66.1069



18.3934, 20.4561, 20.6047



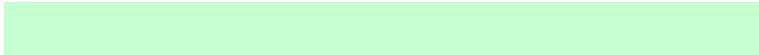
0.0000, 0.0000, 0.0000



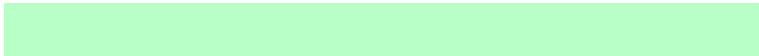
20.3446, 21.4041, 23.3091

Same Dimension

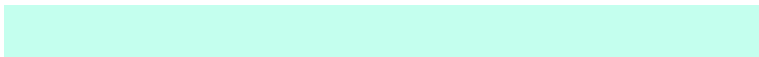
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.0343, 87.8596, 73.5904



65.7790, 85.8000, 67.3300



73.9998, 89.4457, 94.4723



17.9354, 20.2337, 19.9628



19.1058, 37.5389, 8.4426



1.8989, 3.6705, 1.0255

Inverse Universe

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



77.0073, 67.1514, 92.9069



73.9170, 61.6228, 89.8667



72.9548, 65.5304, 71.5667



18.6112, 18.2278, 21.8359



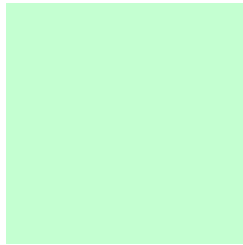
26.9822, 13.2822, 29.6204



2.6675, 1.3094, 3.0962

Previews

White Background



This preview shows how the XYZ color 70.0336, 87.8592, 73.5890 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 70.0336, 87.8592, 73.5890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

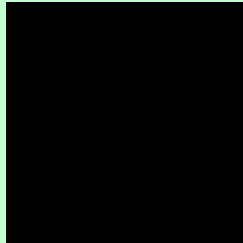
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

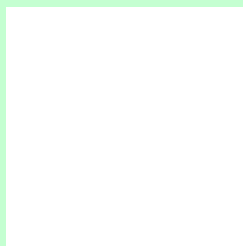
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.0336, 87.8592, 73.5890

Background



This preview shows how black text looks on a background with the XYZ color 70.0336, 87.8592, 73.5890.



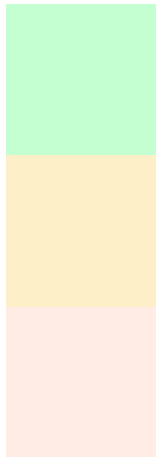
This preview shows how white text looks on a background with the XYZ color 70.0336, 87.8592,

73.5890.

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

70.0336, 87.8592, 73.5890

Protanopia

82.2107, 87.4199, 67.7991

Deuteranopia

85.3783, 86.9080, 86.4038



Tritanopia

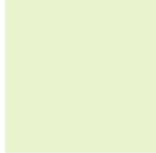
80.8321, 87.6093, 107.2577

Trichromacy



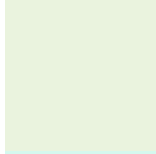
Original Color

70.0336, 87.8592, 73.5890



Protanomaly

76.8302, 86.8203, 69.8353



Deuteranomaly

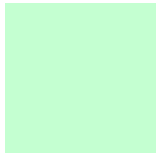
79.1671, 86.8675, 81.7018



Tritanomaly

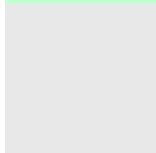
76.4406, 87.4540, 93.7404

Monochromacy



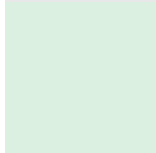
Original Color

70.0336, 87.8592, 73.5890



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

73.8281, 82.7621, 82.6045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0336, 87.8592, 73.5890 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, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 209)  
}
```

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, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 209) }
```

Border

The CSS property to change the border of an element to XYZ 70.0336, 87.8592, 73.5890 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, 255, 209) }
```


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

```
.border{ border-color:rgb(196, 255, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 255, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0336, 87.8592, 73.5890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 209) }
```

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

```
.background{ background-color: rgb(196,  
255, 209) }
```

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