

Converting Colors

XYZ(74.5387, 87.6993, 86.6385)

Have a look what the booklet for
XYZ(74.5387, 87.6993, 86.6385)
contains.

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Color

**XYZ(74.4837, 87.5280,
86.3677)**

Conversions

Conversions Part 1

Format	Color
Hex	D1FAE4
RGB	209, 250, 228
RGB Percent	82%, 98%, 89%
CMY	0.1804, 0.0196, 0.1059
CMYK	0.16, 0.00, 0.09, 0.02
HSL	148°, 80%, 90%
HSV	148°, 16%, 98%
XYZ	74.4837, 87.5280, 86.3677
YIQ	235.2330, -17.3740, -15.5340

Conversions

Conversions Part 2

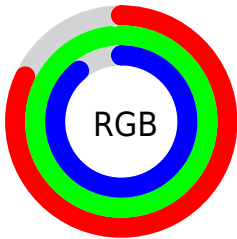
Format	Color
R _Y B	209, 237, 250
Decimal	13761252
CIE Lab	94.96, -17.31, 6.18
CIE LCh	95, 18.377, 160.362
Yxy	87.5280, 0.2999, 0.3524
Android (android.graphics.Color)	4291951332 (0xFFD1FAE4)
YUV	235.2330, -3.5659, -23.0063
Hunter-Lab	93.5564, -21.6133, 10.7552

Details

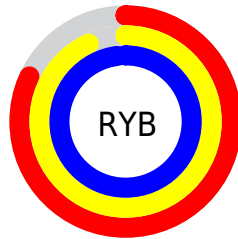
The XYZ color **74.4837, 87.5280, 86.3677** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.6517, 71.6966, 85.4040**, and the grayscale version is **79.1809, 83.3045, 90.7186**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.9392, 48.0271, 46.7003** is the 20% darker color. If you saturate the color by 10%, you get **66.1673, 83.4501, 76.6315**, and if you desaturate by 10%, it is **84.0594, 92.2433, 96.9210**.

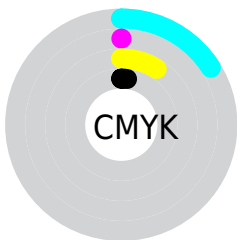
Distribution



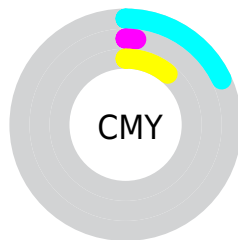
- Red (82%)
- Green (98%)
- Blue (89%)



- Red (82%)
- Yellow (93%)
- Blue (98%)



- Cyan (16%)
- Magenta (0%)
- Yellow (9%)
- Black (2%)



- Cyan (18%)
- Magenta (2%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 74.4837, 87.5280, 86.3677 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 74.4837, 87.5280, 86.3677 by changing the saturation by 10% instead.

74.4837, 87.5280,
86.3677

74.4837, 87.5280,
86.3677

465.1657,
519.9563, 536.4050

55.4827, 65.9322,
64.4154

124.5731,
143.8999, 144.1736

40.0237, 48.2174,
46.5389

156.3922,
179.4447, 180.8643

27.7413, 33.9991,
32.3196

193.2146,
220.4081, 223.3049

18.2702, 22.8929,
21.3389

235.4059,
267.1744, 271.9139

11.2450, 14.5144,
13.1783

283.3313,
320.1280, 327.1099

6.3004, 8.4793,
7.4193

337.3561,

3.0710, 4.4032,

379.6532, 389.3113

3.6433

397.8458,
446.1345, 458.9369

■ 1.1914, 1.9015,
1.4317

■ 0.0996, 0.5493,
0.1663

■ 74.4837, 87.5280,
86.3677

■ 74.4837, 87.5280,
86.3677

■ 66.1673, 83.4501,
76.6315

■ 84.0594, 92.2433,
96.9210

■ 59.0481, 79.9706,
67.6871

■ 93.4505, 96.8439,
108.2348

■ 53.0695, 77.0632,
59.5158

■ 93.4773, 96.8546,
108.3758

■ 48.1669, 74.6950,
52.0965

■ 44.2696, 72.8298,
45.4067

■ 41.2972, 71.4269,
39.4229

■ 39.1563, 70.4384,
34.1197

■ 37.7312, 69.8051,
29.4699

■ 37.3308, 69.6320,
27.9491

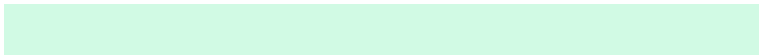
Harmonies

Analogous

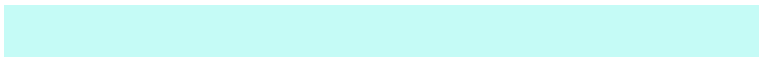
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.1356, 87.5280, 75.8705



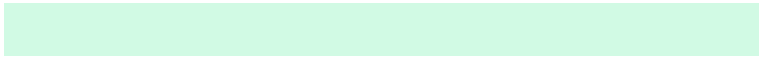
74.4837, 87.5280, 86.3677



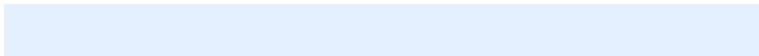
74.1114, 87.5280, 100.3288

Triad

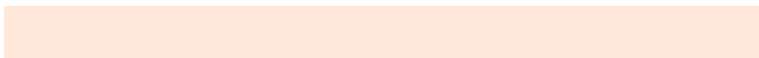
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.4837, 87.5280, 86.3677



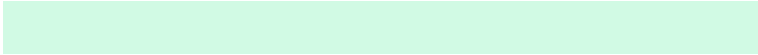
84.9295, 87.5280, 124.9528



90.7159, 87.5280, 78.6004

Complementary

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



74.4837, 87.5280, 86.3677



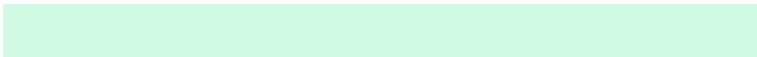
76.6517, 71.6966, 85.4040

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.



92.9871, 87.5280, 90.4481



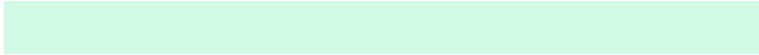
74.4837, 87.5280, 86.3677



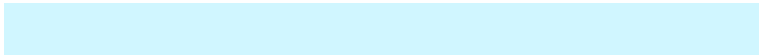
89.5590, 87.5280, 117.7992

Square

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



74.4837, 87.5280, 86.3677



80.0113, 87.5280, 123.5807



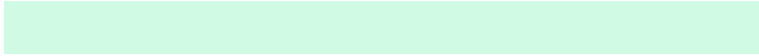
92.5555, 87.5280, 104.8345



86.4575, 87.5280, 71.7059

Rectangle

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



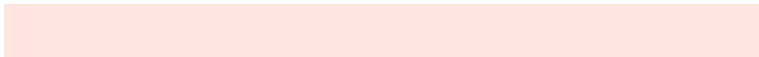
74.4837, 87.5280, 86.3677



75.1895, 87.5280, 109.8701



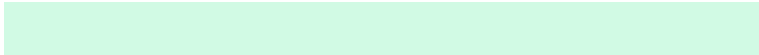
92.5555, 87.5280, 104.8345



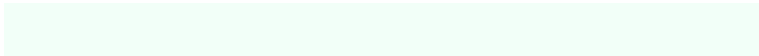
91.7446, 87.5280, 82.0841

Sweetspot

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



74.4861, 87.5317, 86.3696



89.4316, 97.2286, 102.9890



78.8302, 90.0593, 73.5511



18.9790, 20.7305, 21.8698



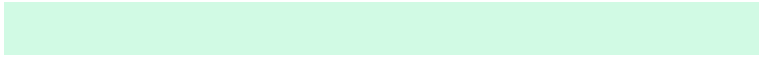
0.0000, 0.0000, 0.0000



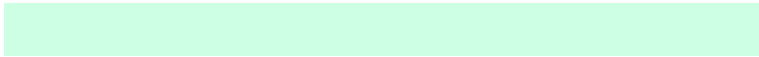
20.3446, 21.4041, 23.3091

Same Dimension

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



74.4861, 87.5317, 86.3696



74.6144, 89.9384, 86.5586



77.4186, 88.7047, 101.8118



17.3520, 19.4431, 20.0543



19.8714, 36.9616, 15.1982



1.8934, 3.4444, 1.6863

Inverse Universe

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



76.6517, 71.6966, 85.4040



77.3087, 70.2361, 85.3562



73.9916, 70.6325, 71.3958



17.6341, 17.3810, 19.9287



23.2737, 11.7252, 13.4155



2.2091, 1.1074, 1.5245

Previews

White Background



This preview shows how the XYZ color 74.4837, 87.5280, 86.3677 looks on a white background.

Color Contrast Check

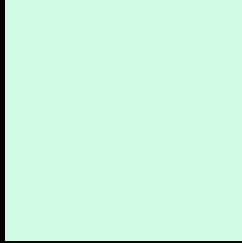
Large Text (above 18pt) WCAG AA × Fail

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 74.4837, 87.5280, 86.3677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

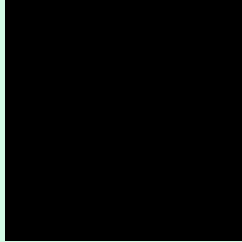
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

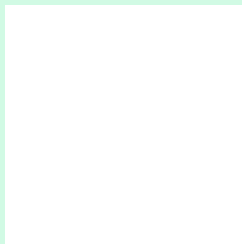
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 74.4837, 87.5280, 86.3677

Background



This preview shows how black text looks on a background with the XYZ color 74.4837, 87.5280, 86.3677.



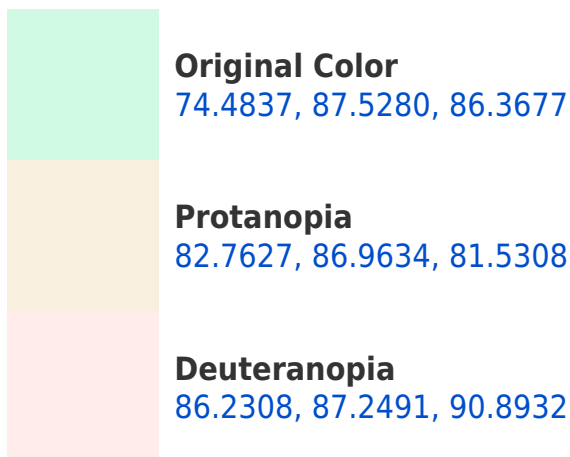
This preview shows how white text looks on a background with the XYZ color 74.4837, 87.5280,

86.3677.

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

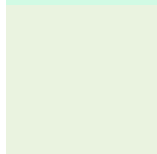
81.4646, 87.4899, 107.2013

Trichromacy



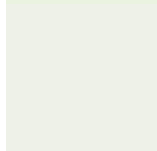
Original Color

74.4837, 87.5280, 86.3677



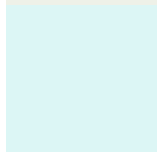
Protanomaly

79.4368, 86.9754, 83.1222



Deuteranomaly

81.2807, 86.9139, 88.8360



Tritanomaly

78.9524, 87.7198, 99.1566

Monochromacy



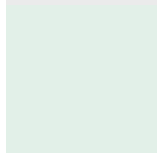
Original Color

74.4837, 87.5280, 86.3677



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

77.0896, 84.3151, 88.5553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.4837, 87.5280, 86.3677 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(209, 250, 228)` looks like.

```
.text, #text, p{  
    color:rgb(209, 250, 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(209, 250, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 250, 228) }
```

Border

The CSS property to change the border of an element to XYZ 74.4837, 87.5280, 86.3677 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(209, 250, 228) }
```


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

```
.border{ border-color:rgb(209, 250, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 250, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 250, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 250, 228);  
box-shadow:4px 4px 4px 4px rgb(209, 250,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 74.4837, 87.5280, 86.3677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 250, 228) }
```

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

```
.background{ background-color: rgb(209,  
250, 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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