

Converting Colors

XYZ(76.8348, 87.1761, 98.8369)

Have a look what the booklet for
XYZ(76.8348, 87.1761, 98.8369)
contains.

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Color

**XYZ(76.8936, 87.1111,
99.1476)**

Conversions

Conversions Part 1

Format	Color
Hex	D4F7F5
RGB	212, 247, 245
RGB Percent	83%, 97%, 96%
CMY	0.1686, 0.0314, 0.0392
CMYK	0.14, 0.00, 0.01, 0.03
HSL	177°, 69%, 90%
HSV	177°, 14%, 97%
XYZ	76.8936, 87.1111, 99.1476
YIQ	236.3070, -20.2180, -8.0420

Conversions

Conversions Part 2

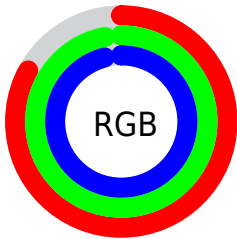
Format	Color
R _Y B	212, 230, 247
Decimal	13957109
CIE Lab	94.79, -11.63, -2.84
CIE LCh	95, 11.972, 193.737
Yxy	87.1111, 0.2922, 0.3310
Android (android.graphics.Color)	4292147189 (0xFFD4F7F5)
YUV	236.3070, 4.2856, -21.3172
Hunter-Lab	93.3333, -16.2743, 2.3498

Details

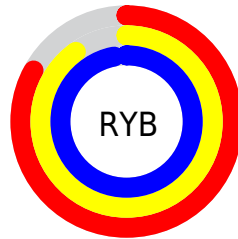
The XYZ color **76.8936, 87.1111, 99.1476** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.0420, 71.7186, 73.5629**, and the grayscale version is **79.9453, 84.1087, 91.5944**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7207, 48.1038, 55.2302** is the 20% darker color. If you saturate the color by 10%, you get **70.0964, 83.6342, 97.7089**, and if you desaturate by 10%, it is **84.7867, 91.1574, 100.6499**.

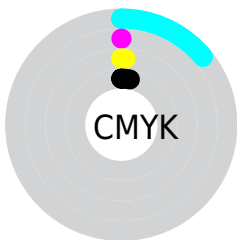
Distribution



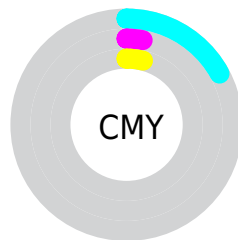
- Red (83%)
- Green (97%)
- Blue (96%)



- Red (83%)
- Yellow (90%)
- Blue (97%)



- Cyan (14%)
- Magenta (0%)
- Yellow (1%)
- Black (3%)



- Cyan (17%)
- Magenta (3%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8936, 87.1111, 99.1476 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 76.8936, 87.1111, 99.1476 by changing the saturation by 10% instead.

76.8936, 87.1111,
99.1476

76.8936, 87.1111,
99.1476

473.2987,
518.5879, 578.6796

57.4652, 65.5872,
74.9759

127.9629,
143.3190, 162.0269

41.6204, 47.9373,
55.0916

160.3345,
178.7717, 201.5717

28.9940, 33.7773,
39.0759

197.7512,
219.6361, 247.0779

19.2205, 22.7225,
26.5105

240.5784,
266.2967, 298.9641

11.9347, 14.3888,
16.9768

289.1813,
319.1377, 357.6489

6.7711, 8.3916,
10.0562

343.9255,

3.3644, 4.3465,

378.5437, 423.5507

5.3301

405.1761,
444.8989, 497.0881

■ 1.3493, 1.8692,
2.3801

■ 0.2196, 0.5298,
0.7756

■ 76.8936, 87.1111,
99.1476

■ 76.8936, 87.1111,
99.1476

■ 70.0964, 83.6342,
97.7089

■ 84.7867, 91.1574,
100.6499

■ 64.3383, 80.6904,
96.3255

■ 91.4191, 94.5513,
102.1000

■ 59.5686, 78.2560,
94.9970

■ 91.6391, 94.6393,
103.2586

■ 55.7295, 76.3012,
93.7206

■ 91.8608, 94.7280,
104.4260

■ 52.7571, 74.7929,
92.4933

■ 92.0841, 94.8174,
105.6021

■ 50.5796, 73.6943,
91.3117

■ 92.3092, 94.9074,
106.7870

■ 49.1134, 72.9622,
90.1719

■ 92.5358, 94.9980,
107.9807

■ 48.2567, 72.5440,
89.0691

■ 92.5523, 95.0046,
108.0674

■ 47.9514, 72.4003,
88.4393

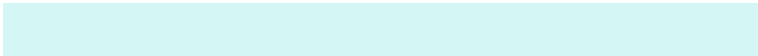
Harmonies

Analogous

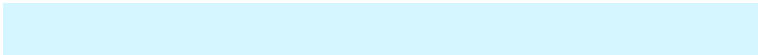
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.9612, 87.1111, 89.9421



76.8936, 87.1111, 99.1476



78.3783, 87.1111, 107.7208

Triad

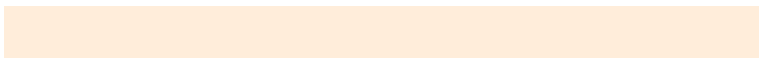
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.8936, 87.1111, 99.1476



87.1767, 87.1111, 108.3269



84.5526, 87.1111, 78.7381

Complementary

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



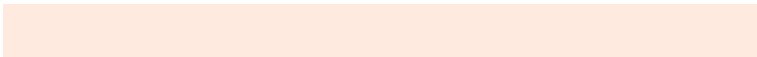
76.8936, 87.1111, 99.1476



74.0420, 71.7186, 73.5629

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.



87.3777, 87.1111, 83.0461



76.8936, 87.1111, 99.1476



88.9195, 87.1111, 99.9316

Square

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



76.8936, 87.1111, 99.1476



84.2841, 87.1111, 113.2492



88.9940, 87.1111, 90.6768



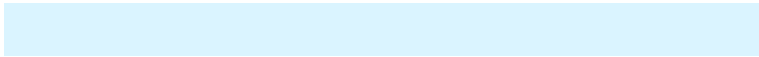
81.3265, 87.1111, 78.5586

Rectangle

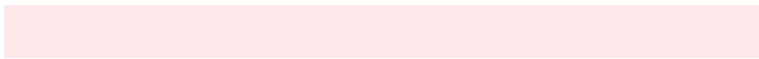
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.8936, 87.1111, 99.1476



80.0715, 87.1111, 111.7580



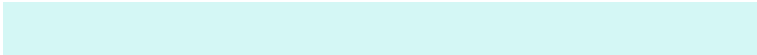
88.9940, 87.1111, 90.6768



85.5826, 87.1111, 79.7381

Sweetspot

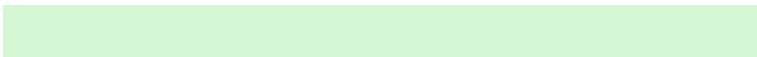
The Sweet Spot groups the original color and five complimentary colors.



76.8961, 87.1147, 99.1495



91.3026, 98.0790, 108.2347



72.9760, 85.6250, 74.9700



19.3964, 20.9180, 23.1402



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

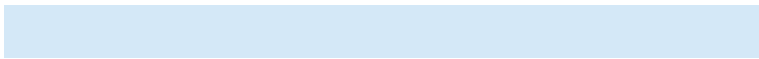
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.8961, 87.1147, 99.1495



80.4636, 92.5263, 106.1457



72.7522, 78.3348, 99.2855



16.9533, 18.7405, 21.0386



25.3772, 38.2957, 46.8675



2.2427, 3.3707, 4.1838

Inverse Universe

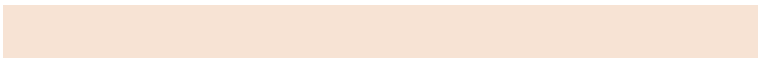
The Inverse Universe completely reimagines the original color for something new.



74.0420, 71.7186, 73.5629



76.8504, 73.0339, 73.7526



77.7592, 79.5600, 73.5473



16.5376, 16.4979, 17.3115



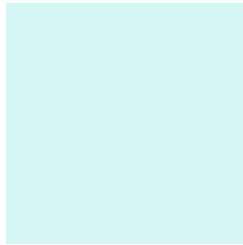
20.3446, 10.4813, 1.2570



1.8013, 0.9265, 0.1803

Previews

White Background



This preview shows how the XYZ color 76.8936, 87.1111, 99.1476 looks on a white background.

Color Contrast Check

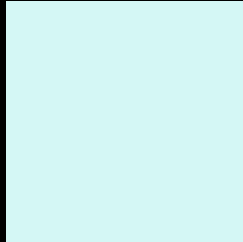
Large Text (above 18pt) WCAG AA × Fail

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 76.8936, 87.1111, 99.1476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

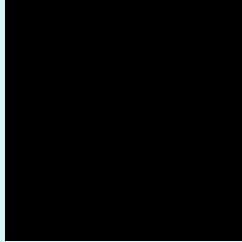
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

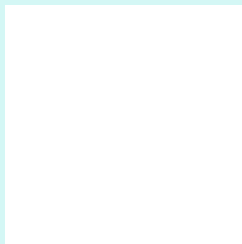
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.8936, 87.1111, 99.1476

Background



This preview shows how black text looks on a background with the XYZ color 76.8936, 87.1111, 99.1476.



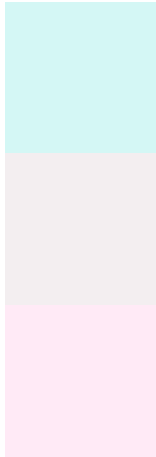
This preview shows how white text looks on a background with the XYZ color 76.8936, 87.1111,

99.1476.

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

76.8936, 87.1111, 99.1476

Protanopia

83.2649, 86.4950, 94.7448

Deuteranopia

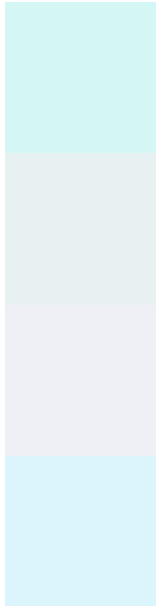
87.2974, 86.7595, 99.3340



Tritanopia

80.8535, 86.7318, 107.0872

Trichromacy



Original Color

76.8936, 87.1111, 99.1476

Protanomaly

80.7610, 86.4772, 96.4396

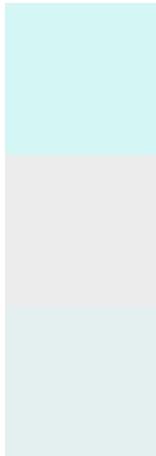
Deuteranomaly

83.0977, 86.7375, 99.5511

Tritanomaly

79.2785, 86.8820, 103.8583

Monochromacy



Original Color

76.8936, 87.1111, 99.1476

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

78.4186, 84.8831, 93.9123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.8936, 87.1111, 99.1476 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(212, 247, 245)` looks like.

```
.text, #text, p{  
    color:rgb(212, 247, 245)  
}
```

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(212, 247, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 247, 245) }
```

Border

The CSS property to change the border of an element to XYZ 76.8936, 87.1111, 99.1476 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(212, 247, 245) }
```


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

```
.border{ border-color:rgb(212, 247, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 247, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 247, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 247, 245);  
box-shadow:4px 4px 4px 4px rgb(212, 247,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 76.8936, 87.1111, 99.1476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 247, 245) }
```

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

```
.background{ background-color: rgb(212,  
247, 245) }
```

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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