

# Converting Colors

XYZ(74.4842, 86.1330, 86.4600)

Have a look what the booklet for  
XYZ(74.4842, 86.1330, 86.4600)  
contains.

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# Color

**XYZ(74.4157, 86.1200,  
86.0995)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4F7E4
RGB	212, 247, 228
RGB Percent	83%, 97%, 89%
CMY	0.1686, 0.0314, 0.1059
CMYK	0.14, 0.00, 0.08, 0.03
HSL	147°, 69%, 90%
HSV	147°, 14%, 97%
XYZ	74.4157, 86.1200, 86.0995
YIQ	234.3690, -14.7610, -13.3290

# Conversions

## Conversions Part 2

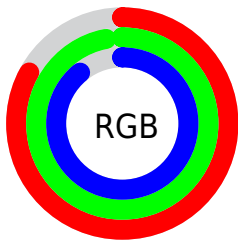
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	212, 236, 247
Decimal	13957092
CIE Lab	94.36, -14.87, 5.34
CIE LCh	94, 15.799, 160.258
Yxy	86.1200, 0.3017, 0.3492
Android (android.graphics.Color)	4292147172 (0xFFD4F7E4)
YUV	234.3690, -3.1399, -19.6176
Hunter-Lab	92.8009, -19.2649, 9.9521

# Details

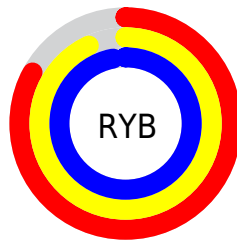
The XYZ color **74.4157, 86.1200, 86.0995** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.3281, 72.6327, 85.6017**, and the grayscale version is **78.5193, 82.6085, 89.9606**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.0783, 47.4468, 46.5810** is the 20% darker color. If you saturate the color by 10%, you get **66.0430, 82.0130, 76.3647**, and if you desaturate by 10%, it is **84.0269, 90.8536, 96.6497**.

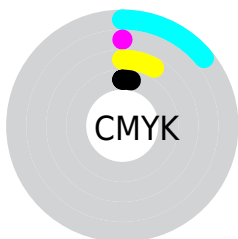
# Distribution



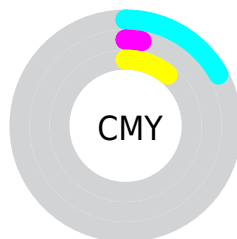
- Red (83%)
- Green (97%)
- Blue (89%)



- Red (83%)
- Yellow (93%)
- Blue (97%)



- Cyan (14%)
- Magenta (0%)
- Yellow (8%)
- Black (3%)



- Cyan (17%)
- Magenta (3%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.4157, 86.1200, 86.0995 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 74.4157, 86.1200, 86.0995 by changing the saturation by 10% instead.



74.4157, 86.1200,  
86.0995

74.4157, 86.1200,  
86.0995

464.9350,  
515.3268, 535.4984

55.4268, 64.7672,  
64.1949

124.4773,  
141.9369, 143.7961

39.9788, 47.2723,  
46.3613

156.2806,  
177.1699, 180.4252

27.7061, 33.2510,  
32.1803

193.0863,  
217.7983, 222.7995

18.2436, 22.3188,  
21.2333

235.2594,  
264.2066, 271.3376

11.2257, 14.0913,  
13.1018

283.1656,  
316.7792, 326.4579

6.2873, 8.1842,  
7.3671

337.1700,

3.0629, 4.2131,

375.9006, 388.5792

3.6108

397.6380,  
441.9549, 458.1198

■ 1.1871, 1.7934,  
1.4144

■ 0.0961, 0.4831,  
0.1529

■ 74.4157, 86.1200,  
86.0995

■ 74.4157, 86.1200,  
86.0995

■ 66.0430, 82.0130,  
76.3647

■ 84.0269, 90.8536,  
96.6497

■ 58.8490, 78.4948,  
67.4200

■ 92.5237, 94.9933,  
107.9163

■ 52.7796, 75.5406,  
59.2473

■ 92.5524, 95.0048,  
108.0675

■ 47.7735, 73.1189,  
51.8252

■ 43.7631, 71.1955,  
45.1317

■ 40.6728, 69.7317,  
39.1433

■ 38.4151, 68.6830,  
33.8352

■ 36.8839, 67.9950,  
29.1805

■ 36.2378, 67.7149,  
26.7555

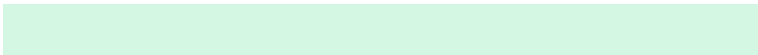
# Harmonies

## Analogous

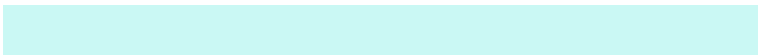
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.6964, 86.1200, 77.0508



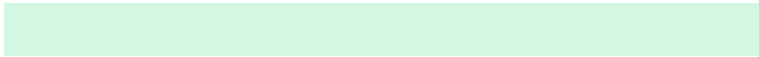
74.4157, 86.1200, 86.0995



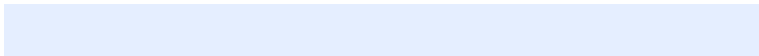
74.0886, 86.1200, 97.9912

# Triad

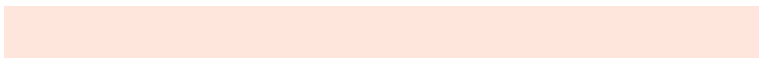
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.4157, 86.1200, 86.0995



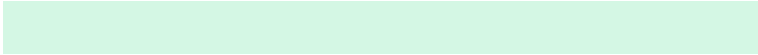
83.3154, 86.1200, 118.6827



88.2375, 86.1200, 79.4715

# Complementary

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



74.4157, 86.1200, 86.0995



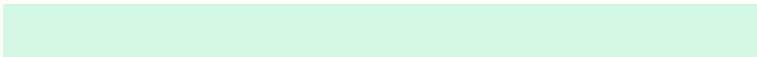
76.3281, 72.6327, 85.6017

# 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.



90.1449, 86.1200, 89.6719



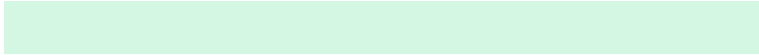
74.4157, 86.1200, 86.0995



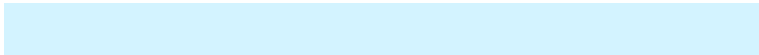
87.2388, 86.1200, 112.7481

# Square

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



74.4157, 86.1200, 86.0995



79.1304, 86.1200, 117.5170



89.7732, 86.1200, 101.8831

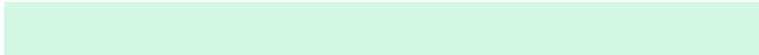


84.6404, 86.1200, 73.4592



# Rectangle

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



74.4157, 86.1200, 86.0995



75.0101, 86.1200, 106.0387



89.7732, 86.1200, 101.8831



89.1030, 86.1200, 82.4862

# Sweetspot

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



74.4181, 86.1236, 86.1014



90.5176, 97.7650, 104.1009



78.1832, 88.3095, 75.2132



19.1974, 20.8384, 22.0921



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

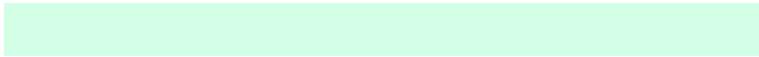


# Same Dimension

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



74.4181, 86.1236, 86.1014



77.3002, 91.2609, 89.4873



76.9347, 87.1303, 99.3535



16.5972, 18.5980, 19.1634



19.2338, 35.8383, 14.5167



1.7417, 3.1703, 1.5455



# Inverse Universe

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



76.3281, 72.6327, 85.6017



79.7182, 74.1810, 88.8540



74.0095, 71.7053, 73.3921



16.8754, 16.6330, 19.0907



22.6381, 11.3987, 13.3345



2.0415, 1.0226, 1.4450



# Previews

## White Background



This preview shows how the XYZ color 74.4157, 86.1200, 86.0995 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

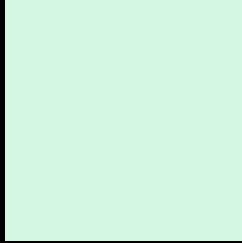
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.4157, 86.1200, 86.0995 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

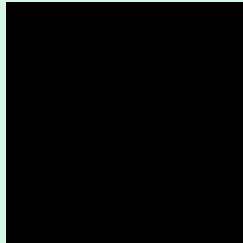
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

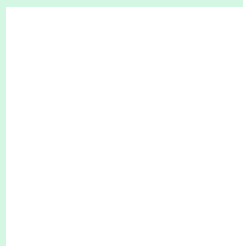
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.4157, 86.1200, 86.0995**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.4157, 86.1200, 86.0995.



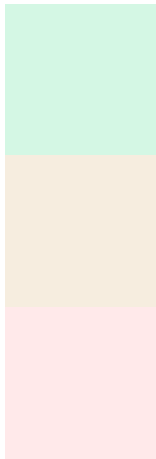
This preview shows how white text looks on a background with the XYZ color 74.4157, 86.1200,

86.0995.

# 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

74.4157, 86.1200, 86.0995

### Protanopia

81.6095, 85.4889, 82.0118

### Deuteranopia

85.2302, 85.4783, 89.8488



## Tritanopia

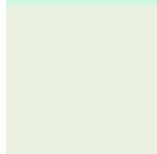
80.2458, 85.9779, 106.9737

# Trichromacy



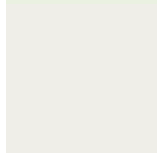
## Original Color

74.4157, 86.1200, 86.0995



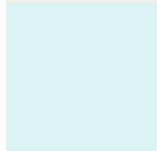
## Protanomaly

78.9776, 85.8393, 83.6402



## Deuteranomaly

80.7366, 85.3260, 88.5582



## Tritanomaly

78.0472, 85.9094, 98.8548

# Monochromacy



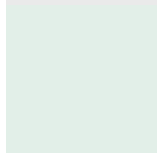
## Original Color

74.4157, 86.1200, 86.0995



## Achromatopsia

78.2058, 82.2786, 89.6014



## Achromatomaly

76.7960, 83.7280, 88.4575

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.4157, 86.1200, 86.0995 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, 228) looks like.

```
.text, #text, p{  
    color:rgb(212, 247, 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(212, 247, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 247, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 74.4157, 86.1200, 86.0995 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".

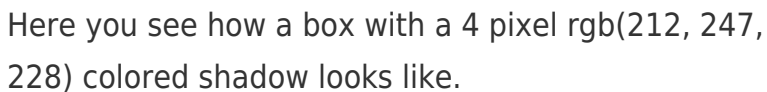
```
.border, #border, table{ border:4px solid rgb(212, 247, 228) }
```



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

```
.border{ border-color:rgb(212, 247, 228) }
```

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, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(212, 247, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(212, 247, 228); box-shadow:4px 4px 4px 4px rgb(212, 247, 228) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.4157, 86.1200, 86.0995 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, 228) }
```

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

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