

Converting Colors

XYZ(74.6787, 86.1223, 87.4849)

Have a look what the booklet for
XYZ(74.6787, 86.1223, 87.4849)
contains.

XYZ(74.6951, 86.2317, 87.5705)	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(74.6951, 86.2317,
87.5705)**

Conversions

Conversions Part 1

Format	Color
Hex	D4F7E6
RGB	212, 247, 230
RGB Percent	83%, 97%, 90%
CMY	0.1686, 0.0314, 0.0980
CMYK	0.14, 0.00, 0.07, 0.03
HSL	151°, 69%, 90%
HSV	151°, 14%, 97%
XYZ	74.6951, 86.2317, 87.5705
YIQ	234.5970, -15.4030, -12.7070

Conversions

Conversions Part 2

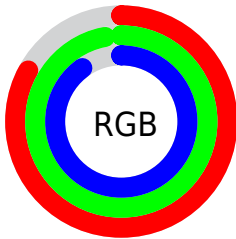
Format	Color
R _Y B	212, 235, 247
Decimal	13957094
CIE Lab	94.41, -14.50, 4.37
CIE LCh	94, 15.145, 163.222
Yxy	86.2317, 0.3006, 0.3470
Android (android.graphics.Color)	4292147174 (0xFFD4F7E6)
YUV	234.5970, -2.2663, -19.8176
Hunter-Lab	92.8610, -18.9258, 9.0906

Details

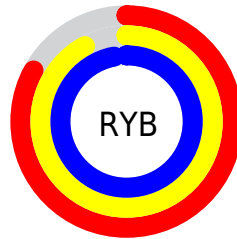
The XYZ color **74.6951, 86.2317, 87.5705** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.0472, 72.5205, 84.1224**, and the grayscale version is **78.6863, 82.7842, 90.1519**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.2733, 47.5248, 47.6080** is the 20% darker color. If you saturate the color by 10%, you get **66.4850, 82.1897, 78.6920**, and if you desaturate by 10%, it is **84.1153, 90.8889, 97.1148**.

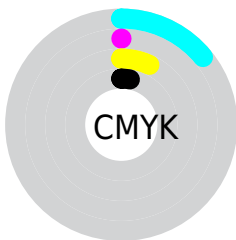
Distribution



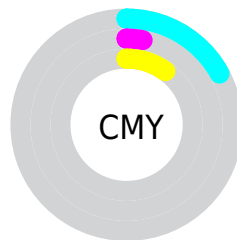
- Red (83%)
- Green (97%)
- Blue (90%)



- Red (83%)
- Yellow (92%)
- Blue (97%)



- Cyan (14%)
- Magenta (0%)
- Yellow (7%)
- Black (3%)





- Cyan (17%)
- Magenta (3%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.6951, 86.2317, 87.5705 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 74.6951, 86.2317, 87.5705 by changing the saturation by 10% instead.


 74.6951, 86.2317,
87.5705

 74.6951, 86.2317,
87.5705


465.8823,
515.6949, 540.4605

 55.6564, 64.8596,
65.4051


124.8709,
142.0928, 145.8649

 40.1634, 47.3472,
47.3362


156.7387,
177.3505, 182.8311

 27.8508, 33.3102,
32.9453


193.6137,
218.0056, 225.5678

 18.3531, 22.3642,
21.8138

235.8610,
264.4424, 274.4938

 11.3050, 14.1248,
13.5231

283.8462,
317.0454, 330.0275

 6.3412, 8.2075,
7.6548

337.9346,

 3.0962, 4.2280,

376.1988, 392.5875

3.7903

398.4915,
442.2872, 462.5923

■ 1.2049, 1.8019,
1.5110

■ 0.1102, 0.4884,
0.2261

■ 74.6951, 86.2317,
87.5705

■ 74.6951, 86.2317,
87.5705

■ 66.4850, 82.1897,
78.6920

■ 84.1153, 90.8889,
97.1148

■ 59.4262, 78.7256,
70.4589

■ 92.3916, 94.9404,
107.2210

■ 53.4654, 75.8148,
62.8582

■ 92.5523, 95.0047,
108.0674

■ 48.5424, 73.4264,
55.8742

■ 44.5908, 71.5265,
49.4903

■ 41.5361, 70.0769,
43.6893

■ 39.2920, 69.0336,
38.4527

■ 37.7537, 68.3429,
33.7606

■ 37.0943, 68.0575,
31.2664

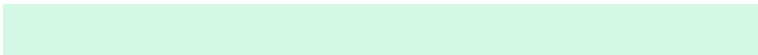
Harmonies

Analogous

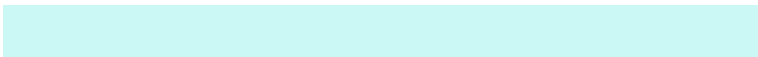
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.7181, 86.2317, 78.4906



74.6951, 86.2317, 87.5705



74.5770, 86.2317, 99.1111

Triad

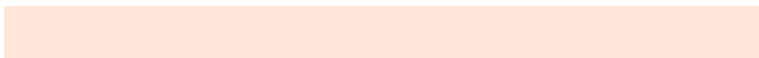
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.6951, 86.2317, 87.5705



83.7634, 86.2317, 117.4397



87.7957, 86.2317, 79.3663

Complementary

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



74.6951, 86.2317, 87.5705



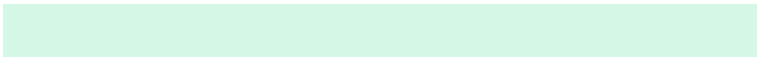
76.0472, 72.5205, 84.1224

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.



89.8162, 86.2317, 88.8588



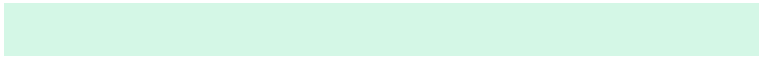
74.6951, 86.2317, 87.5705



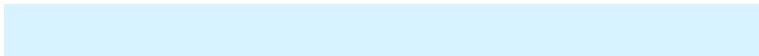
87.4368, 86.2317, 111.1861

Square

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



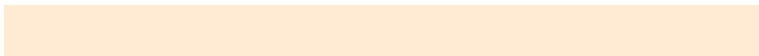
74.6951, 86.2317, 87.5705



79.7227, 86.2317, 117.0224



89.6827, 86.2317, 100.5099



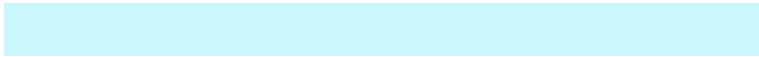
84.2401, 86.2317, 74.0294

Rectangle

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



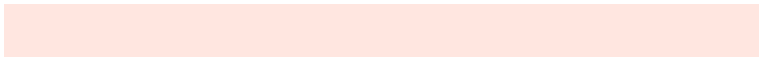
74.6951, 86.2317, 87.5705



75.5877, 86.2317, 106.7122



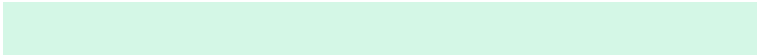
89.6827, 86.2317, 100.5099



88.6821, 86.2317, 82.1415

Sweetspot

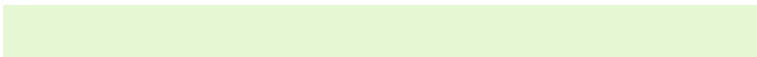
The Sweet Spot groups the original color and five complimentary colors.



74.6975, 86.2353, 87.5724



90.6089, 97.8015, 104.5816



77.6203, 88.0192, 75.1871



19.2205, 20.8477, 22.2137



0.0000, 0.0000, 0.0000



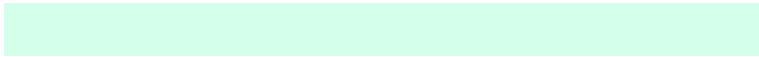
20.3446, 21.4041, 23.3091

Same Dimension

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



74.6975, 86.2353, 87.5724



77.6535, 91.4023, 91.3479



77.2036, 87.2378, 100.7694



16.6380, 18.6143, 19.3779



19.6892, 36.0205, 16.9150



1.7824, 3.1866, 1.7602

Inverse Universe

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



76.0472, 72.5205, 84.1224



79.3624, 74.0387, 86.9802



73.7875, 71.6167, 72.2231



16.8346, 16.6167, 18.8753



22.1498, 11.2033, 10.7630



1.9985, 1.0054, 1.2183

Previews

White Background



This preview shows how the XYZ color 74.6951, 86.2317, 87.5705 looks on a white background.

Color Contrast Check

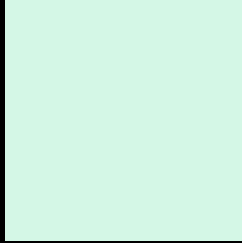
Large Text (above 18pt) WCAG AA × Fail

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 74.6951, 86.2317, 87.5705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

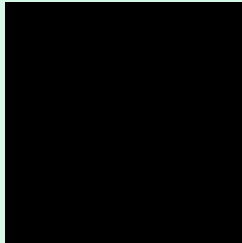
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

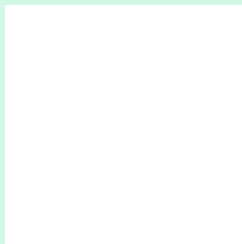
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 74.6951, 86.2317, 87.5705

Background



This preview shows how black text looks on a background with the XYZ color 74.6951, 86.2317, 87.5705.



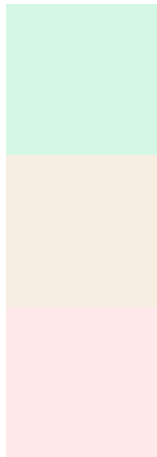
This preview shows how white text looks on a background with the XYZ color 74.6951, 86.2317,

87.5705.

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

74.6951, 86.2317, 87.5705

Protanopia

82.1712, 86.1781, 83.5373

Deuteranopia

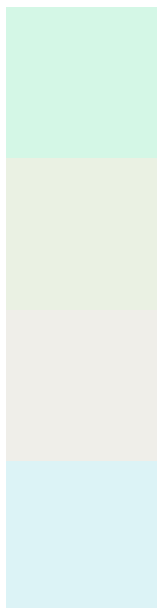
85.3743, 85.5360, 90.6076



Tritanopia

80.2458, 85.9779, 106.9737

Trichromacy



Original Color

74.6951, 86.2317, 87.5705

Protanomaly

79.2521, 85.9491, 85.0858

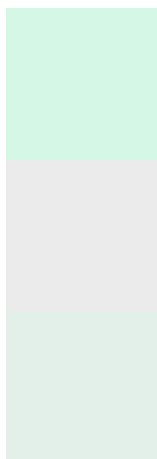
Deuteranomaly

80.8791, 85.3830, 89.3086

Tritanomaly

78.2003, 85.9706, 99.6612

Monochromacy



Original Color

74.6951, 86.2317, 87.5705

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

77.2530, 83.9471, 89.2225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.6951, 86.2317, 87.5705 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(212, 247, 230)  
}
```

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, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 247, 230) }
```

Border

The CSS property to change the border of an element to XYZ 74.6951, 86.2317, 87.5705 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, 230) }
```


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

```
.border{ border-color:rgb(212, 247, 230) }
```

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, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 247, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 247, 230);  
box-shadow:4px 4px 4px 4px rgb(212, 247,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 74.6951, 86.2317, 87.5705 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, 230) }
```

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

```
.background{ background-color: rgb(212,  
247, 230) }
```

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