

Converting Colors

XYZ(74.8048, 89.4429, 87.3274)

Have a look what the booklet for
XYZ(74.8048, 89.4429, 87.3274)
contains.

XYZ(74.7615, 89.5199, 87.4675)	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(74.7615, 89.5199,
87.4675)**

Conversions

Conversions Part 1

Format	Color
Hex	CDFEE5
RGB	205, 254, 229
RGB Percent	80%, 100%, 90%
CMY	0.1961, 0.0039, 0.1020
CMYK	0.19, 0.00, 0.10, 0.00
HSL	149°, 96%, 90%
HSV	149°, 19%, 100%
XYZ	74.7615, 89.5199, 87.4675
YIQ	236.4990, -21.1790, -18.1630

Conversions

Conversions Part 2

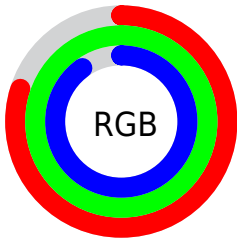
Format	Color
R _Y B	205, 238, 254
Decimal	13500133
CIE Lab	95.80, -20.34, 6.83
CIE LCh	96, 21.455, 161.425
Yxy	89.5199, 0.2970, 0.3556
Android (android.graphics.Color)	4291690213 (0xFFCDFEE5)
YUV	236.4990, -3.6970, -27.6246
Hunter-Lab	94.6150, -24.5316, 11.4194

Details

The XYZ color **74.7615, 89.5199, 87.4675** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.9904, 70.4488, 84.4069**, and the grayscale version is **80.1524, 84.3266, 91.8317**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.1839, 49.4725, 47.4756** is the 20% darker color. If you saturate the color by 10%, you get **66.5733, 85.5025, 77.9889**, and if you desaturate by 10%, it is **84.2273, 94.1852, 97.7150**.

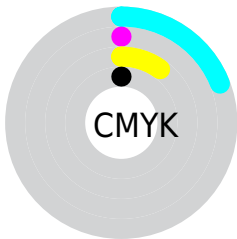
Distribution



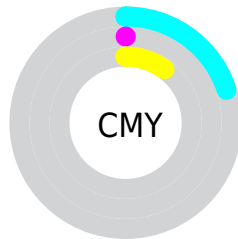
- Red (80%)
- Green (100%)
- Blue (90%)



- Red (80%)
- Yellow (93%)
- Blue (100%)



- Cyan (19%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)



- Cyan (20%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 74.7615, 89.5199, 87.4675 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 74.7615, 89.5199, 87.4675 by changing the saturation by 10% instead.

74.7615, 89.5199,
87.4675

74.7615, 89.5199,
87.4675

466.1072,
526.4679, 540.1139

55.7110, 67.5825,
65.3203

124.9644,
146.6713, 145.7202

40.2074, 49.5582,
47.2679

156.8475,
182.6542, 182.6628

27.8852, 35.0625,
32.8916

193.7389,
224.0876, 225.3743

18.3791, 23.7110,
21.7730

236.0039,
271.3561, 274.2732

11.3239, 15.1194,
13.4935

284.0079,
324.8439, 329.7780

6.3540, 8.9032,
7.6345

338.1162,

3.1042, 4.6781,

384.9356, 392.3074

3.7776

398.6942,
452.0154, 462.2799

■ 1.2091, 2.0597,
1.5041

■ 0.1135, 0.6418,
0.2210

■ 74.7615, 89.5199,
87.4675

■ 74.7615, 89.5199,
87.4675

■ 66.5733, 85.5025,
77.9889

■ 84.2273, 94.1852,
97.7150

■ 59.5974, 82.0924,
69.2551

94.7210, 99.3620,
108.7288

■ 53.7740, 79.2615,
61.2495

94.7335, 99.3670,
108.7945

■ 49.0348, 76.9750,
53.9523

■ 45.3043, 75.1942,
47.3432

■ 42.4961, 73.8752,
41.4001

■ 40.5085, 72.9658,
36.1000

■ 39.1881, 72.3874,
31.4160

■ 39.1071, 72.3524,
31.1068

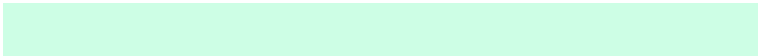
Harmonies

Analogous

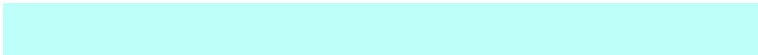
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.7859, 89.5199, 75.0473



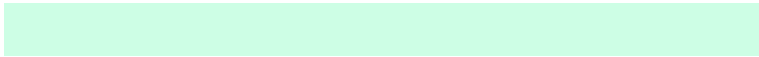
74.7615, 89.5199, 87.4675



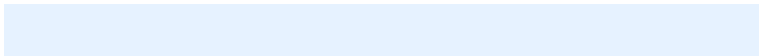
74.4255, 89.5199, 104.0626

Triad

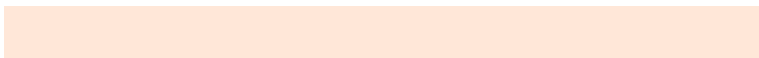
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.7615, 89.5199, 87.4675



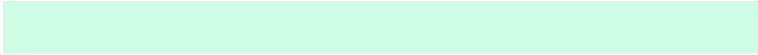
87.3572, 89.5199, 132.9818



93.8951, 89.5199, 77.4840

Complementary

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



74.7615, 89.5199, 87.4675



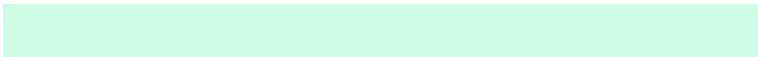
76.9904, 70.4488, 84.4069

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.



96.7187, 89.5199, 91.1656



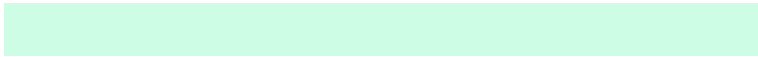
74.7615, 89.5199, 87.4675



92.8291, 89.5199, 123.9703

Square

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



74.7615, 89.5199, 87.4675



81.5170, 89.5199, 131.6939



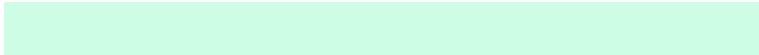
96.3197, 89.5199, 108.2116



88.7577, 89.5199, 69.7604

Rectangle

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



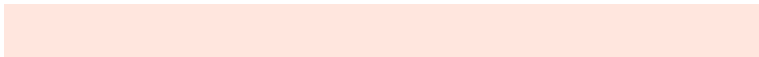
74.7615, 89.5199, 87.4675



75.7520, 89.5199, 115.4458



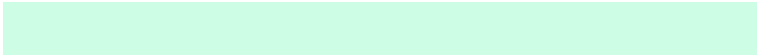
96.3197, 89.5199, 108.2116



95.1568, 89.5199, 81.4677

Sweetspot

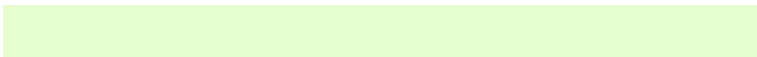
The Sweet Spot groups the original color and five complimentary colors.



74.7640, 89.5236, 87.4695



88.4118, 96.7201, 102.1613



79.1992, 92.1709, 71.3753



18.7754, 20.6289, 21.7134



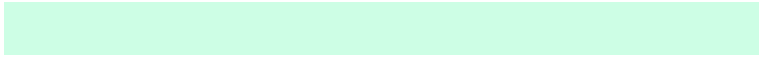
0.0000, 0.0000, 0.0000



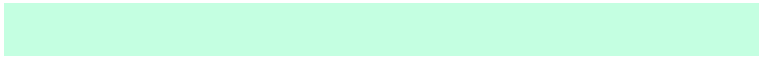
20.3446, 21.4041, 23.3091

Same Dimension

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



74.7640, 89.5236, 87.4695



72.2169, 88.7431, 84.6104



78.3805, 90.9703, 106.5140



18.1424, 20.3165, 21.0527



20.6908, 38.1729, 16.7891



2.0696, 3.7388, 1.9243

Inverse Universe

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



76.9904, 70.4488, 84.4069



74.8243, 66.4041, 81.0234



73.8253, 69.1828, 67.7397



18.3962, 18.1418, 20.7036



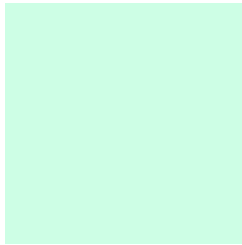
23.7337, 11.9828, 12.5143



2.3661, 1.1888, 1.5092

Previews

White Background



This preview shows how the XYZ color 74.7615, 89.5199, 87.4675 looks on a white background.

Color Contrast Check

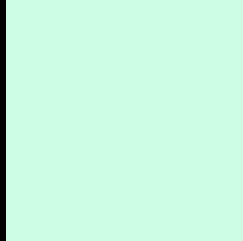
Large Text (above 18pt) WCAG AA × Fail

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 74.7615, 89.5199, 87.4675 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

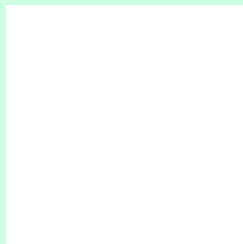
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 74.7615, 89.5199, 87.4675

Background



This preview shows how black text looks on a background with the XYZ color 74.7615, 89.5199, 87.4675.



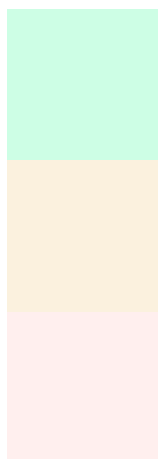
This preview shows how white text looks on a background with the XYZ color 74.7615, 89.5199,

87.4675.

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

74.7615, 89.5199, 87.4675

Protanopia

84.4238, 88.6937, 81.7772

Deuteranopia

87.5391, 89.1661, 93.4859



Tritanopia

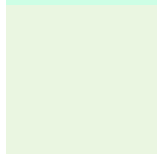
83.0155, 89.1828, 107.4464

Trichromacy



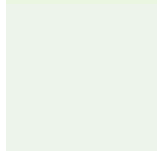
Original Color

74.7615, 89.5199, 87.4675



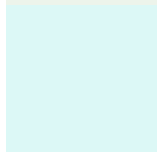
Protanomaly

80.4781, 88.8402, 84.1404



Deuteranomaly

82.2711, 88.7041, 91.3827



Tritanomaly

79.7172, 89.0043, 100.1668

Monochromacy



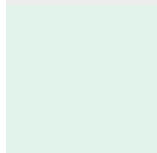
Original Color

74.7615, 89.5199, 87.4675



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

77.9532, 86.0492, 90.3425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.7615, 89.5199, 87.4675 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(205, 254, 229)` looks like.

```
.text, #text, p{  
    color:rgb(205, 254, 229)  
}
```

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(205, 254, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 254, 229) }
```

Border

The CSS property to change the border of an element to XYZ 74.7615, 89.5199, 87.4675 is called "border". The border property can be set on classes, ids or directly on the HTML element.

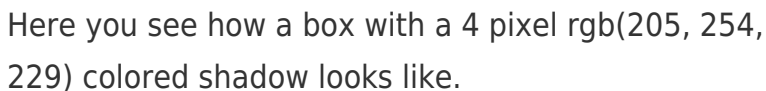
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 254, 229) }
```


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

```
.border{ border-color:rgb(205, 254, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 254, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 254, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 254, 229); box-shadow:4px 4px 4px 4px rgb(205, 254, 229) }
```

Background

The CSS property to change the background color of an element to XYZ 74.7615, 89.5199, 87.4675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 254, 229) }
```

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

```
.background{ background-color: rgb(205,  
254, 229) }
```

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