

Converting Colors

XYZ(74.8335, 89.5434, 66.7655)

Have a look what the booklet for
XYZ(74.8335, 89.5434, 66.7655)
contains.

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Color

**XYZ(74.8335, 89.5434,
66.7655)**

Conversions

Conversions Part 1

Format	Color
Hex	DCFDC6
RGB	220, 253, 198
RGB Percent	86%, 99%, 78%
CMY	0.1373, 0.0078, 0.2235
CMYK	0.13, 0.00, 0.22, 0.01
HSL	96°, 93%, 88%
HSV	96°, 22%, 99%
XYZ	74.8335, 89.5434, 66.7655
YIQ	236.8630, -2.0130, -24.1010

Conversions

Conversions Part 2

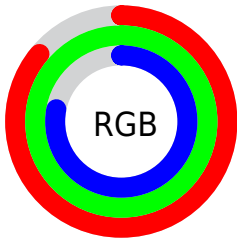
Format	Color
RYB	198, 253, 231
Decimal	14482886
CIELab	95.81, -20.23, 22.86
CIELCh	96, 30.525, 131.512
Yxy	89.5434, 0.3238, 0.3874
Android (android.graphics.Color)	4292672966 (0xFFDCFDC6)
YUV	236.8630, -19.1595, -14.7889
Hunter-Lab	94.6274, -24.4360, 24.4064

Details

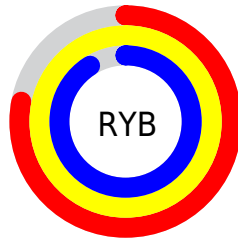
The XYZ color **74.8335, 89.5434, 66.7655** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.8823, 64.4714, 101.6416**, and the grayscale version is **80.5368, 84.7310, 92.2720**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.2910, 49.4928, 33.8151** is the 20% darker color. If you saturate the color by 10%, you get **67.7681, 86.2132, 52.4530**, and if you desaturate by 10%, it is **82.8085, 93.2915, 83.6688**.

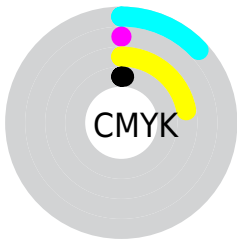
Distribution



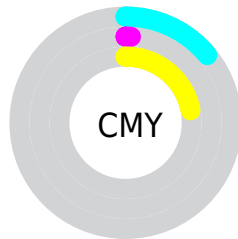
- Red (86%)
- Green (99%)
- Blue (78%)



- Red (78%)
- Yellow (99%)
- Blue (91%)



- Cyan (13%)
- Magenta (0%)
- Yellow (22%)
- Black (1%)





- Cyan (14%)
- Magenta (1%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 74.8335, 89.5434, 66.7655 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 74.8335, 89.5434, 66.7655 by changing the saturation by 10% instead.

 74.8335, 89.5434,
66.7655

 74.8335, 89.5434,
66.7655


466.3511,
526.5444, 467.5884

 55.7702, 67.6020,
48.4337


125.0658,
146.7040, 116.2218

 40.2550, 49.5740,
33.8080


156.9655,
182.6920, 148.1833

 27.9225, 35.0750,
22.4700


193.8748,
224.1310, 185.5252

 18.4074, 23.7207,
14.0010

236.1589,
271.4053, 228.6659

 11.3443, 15.1266,
7.9826

284.1832,
324.8994, 278.0241

 6.3679, 8.9083,
3.9962

338.3131,

 3.1128, 4.6814,

384.9977, 334.0182

1.6233

398.9140,
452.0846, 397.0668

■ 1.2137, 2.0616,
0.3073

■ 0.1172, 0.6429,
0.0000

■ 74.8335, 89.5434,
66.7655

■ 74.8335, 89.5434,
66.7655

■ 67.7681, 86.2132,
52.4530

■ 82.8085, 93.2915,
83.6688

■ 61.5699, 83.2739,
40.5974

■ 91.7191, 97.4603,
103.2760

■ 56.2036, 80.7130,
31.0619

■ 94.4171, 98.7342,
108.6890

■ 51.6281, 78.5126,
23.6937

■ 47.7984, 76.6532,
18.3219

■ 44.6640, 75.1132,
14.7496

■ 42.1659, 73.8673,
12.7400

■ 40.5152, 73.0319,
11.9612

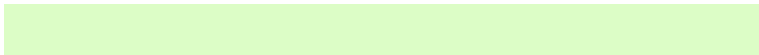
Harmonies

Analogous

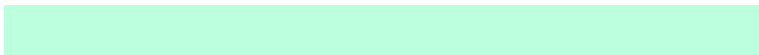
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.9214, 89.5434, 58.7914



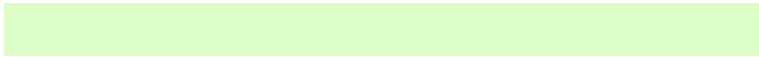
74.8335, 89.5434, 66.7655



70.6738, 89.5434, 83.5358

Triad

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



74.8335, 89.5434, 66.7655



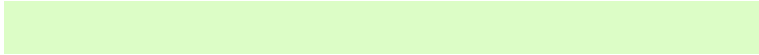
80.0824, 89.5434, 148.3495



101.9589, 89.5434, 88.5432

Complementary

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



74.8335, 89.5434, 66.7655



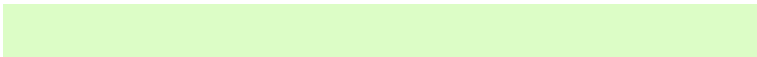
70.8823, 64.4714, 101.6416

Split Complementary

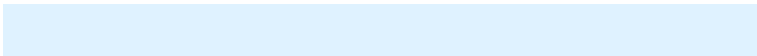
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.3855, 89.5434, 112.9343



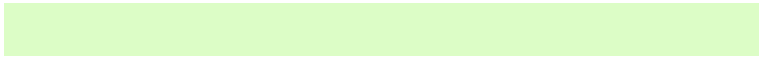
74.8335, 89.5434, 66.7655



88.3768, 89.5434, 150.2874

Square

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



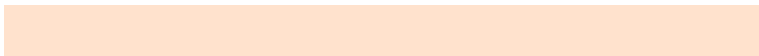
74.8335, 89.5434, 66.7655



73.5637, 89.5434, 131.5288



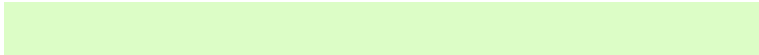
96.2830, 89.5434, 136.4543



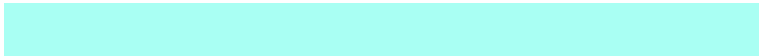
97.8017, 89.5434, 69.9095

Rectangle

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



74.8335, 89.5434, 66.7655



69.9439, 89.5434, 98.7248



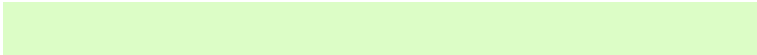
96.2830, 89.5434, 136.4543



102.3200, 89.5434, 96.2805

Sweetspot

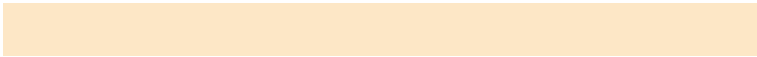
The Sweet Spot groups the original color and five complimentary colors.



74.8359, 89.5473, 66.7674



88.4766, 96.9281, 94.2815



79.2805, 82.1153, 65.0987



18.8211, 20.6921, 19.9242



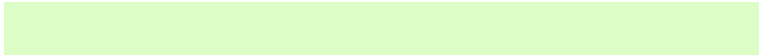
0.0000, 0.0000, 0.0000



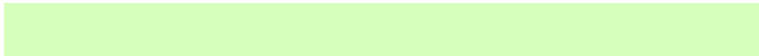
20.3446, 21.4041, 23.3091

Same Dimension

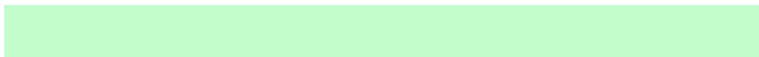
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.8359, 89.5473, 66.7674



73.0008, 89.6610, 61.4323



69.2558, 86.5960, 69.8789



18.4591, 20.5226, 19.1327



21.7050, 38.9274, 6.3698



2.2326, 3.8517, 0.6258

Inverse Universe

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



70.8823, 64.4714, 101.6416



68.3315, 60.0594, 102.5989



77.5713, 68.0195, 97.4457



18.0486, 17.9168, 22.7570



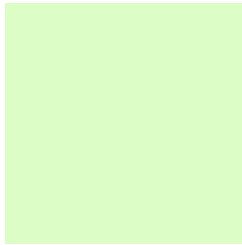
16.4701, 7.4011, 49.9951



1.7270, 0.7842, 4.8736

Previews

White Background



This preview shows how the XYZ color 74.8335, 89.5434, 66.7655 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 74.8335, 89.5434, 66.7655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

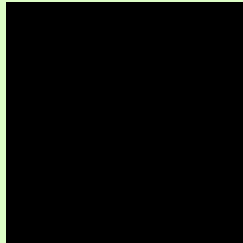
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

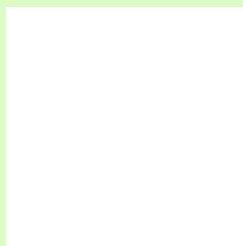
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 74.8335, 89.5434, 66.7655

Background



This preview shows how black text looks on a background with the XYZ color 74.8335, 89.5434, 66.7655.



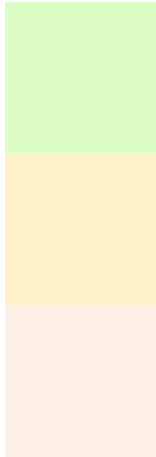
This preview shows how white text looks on a background with the XYZ color 74.8335, 89.5434,

66.7655.

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

74.8335, 89.5434, 66.7655

Protanopia

83.7716, 89.0761, 69.2781

Deuteranopia

86.8239, 89.3497, 88.2714



Tritanopia

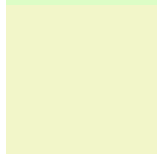
84.3615, 88.9834, 107.3369

Trichromacy



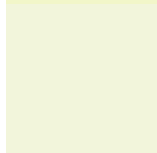
Original Color

74.8335, 89.5434, 66.7655



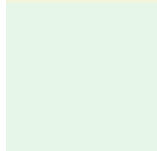
Protanomaly

80.1163, 89.0058, 68.2156



Deuteranomaly

82.0565, 89.2965, 79.9289



Tritanomaly

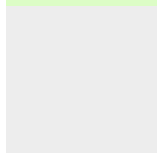
80.7452, 89.2850, 90.8199

Monochromacy



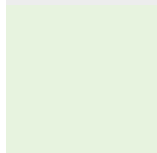
Original Color

74.8335, 89.5434, 66.7655



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.3249, 86.4178, 82.3642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.8335, 89.5434, 66.7655 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(220, 253, 198)` looks like.

```
.text, #text, p{  
    color:rgb(220, 253, 198)  
}
```

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(220, 253, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 253, 198) }
```

Border

The CSS property to change the border of an element to XYZ 74.8335, 89.5434, 66.7655 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(220, 253, 198) }
```


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

```
.border{ border-color:rgb(220, 253, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 253, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 253, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 253, 198);  
box-shadow:4px 4px 4px 4px rgb(220, 253,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 74.8335, 89.5434, 66.7655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 253, 198) }
```

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

```
.background{ background-color: rgb(220,  
253, 198) }
```

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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