

Converting Colors

XYZ(79.7827, 100.0000,
69.1577)

Have a look what the booklet for
XYZ(79.7827, 100.0000, 69.1577)
contains.

XYZ(74.9822, 90.5489, 67.5585)	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(74.9822, 90.5489,
67.5585)**

Conversions

Conversions Part 1

Format	Color
Hex	DAFFC7
RGB	218, 255, 199
RGB Percent	85%, 100%, 78%
CMY	0.1451, 0.0000, 0.2196
CMYK	0.15, 0.00, 0.22, 0.00
HSL	100°, 100%, 89%
HSV	100°, 22%, 100%
XYZ	74.9822, 90.5489, 67.5585
YIQ	237.5530, -4.0760, -25.2600

Conversions

Conversions Part 2

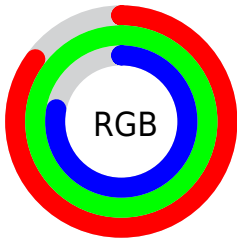
Format	Color
RYB	199, 255, 236
Decimal	14352327
CIELab	96.22, -21.72, 22.91
CIElCh	96, 31.569, 133.481
Yxy	90.5489, 0.3217, 0.3885
Android (android.graphics.Color)	4292542407 (0xFFDAFFC7)
YUV	237.5530, -19.0066, -17.1480
Hunter-Lab	95.1572, -25.8702, 24.5161

Details

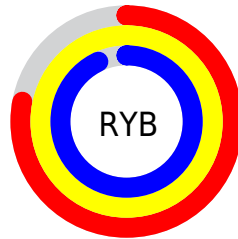
The XYZ color **74.9822, 90.5489, 67.5585** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.0664, 65.9009, 103.4769**, and the grayscale version is **81.0664, 85.2881, 92.8788**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.4092, 50.2190, 34.3515** is the 20% darker color. If you saturate the color by 10%, you get **67.4799, 86.9953, 53.0256**, and if you desaturate by 10%, it is **83.4940, 94.5656, 84.7310**.

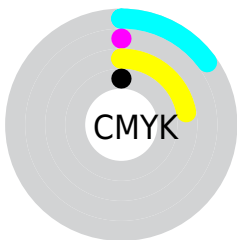
Distribution



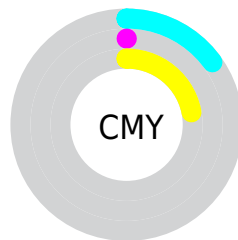
- Red (85%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (93%)



- Cyan (15%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)



- Cyan (15%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 74.9822, 90.5489, 67.5585 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 74.9822, 90.5489, 67.5585 by changing the saturation by 10% instead.

74.9822, 90.5489,
67.5585

74.9822, 90.5489,
67.5585

466.8545,
529.8148, 470.4857

55.8924, 68.4360,
49.0742

125.2752,
148.1006, 117.3686

40.3533, 50.2525,
34.3123

157.2092,
184.3082, 149.5314

27.9996, 35.6141,
22.8543

194.1552,
225.9828, 187.0908

18.4658, 24.1363,
14.2817

236.4787,
273.5088, 230.4654

11.3866, 15.4348,
8.1759

284.5451,
327.2706, 280.0736

6.3967, 9.1251,
4.1183

338.7196,

3.1307, 4.8229,

387.6526, 336.3340

1.6905

399.3676,
455.0392, 399.6652

■ 1.2233, 2.1437,
0.3542

■ 0.1246, 0.6890,
0.0000

■ 74.9822, 90.5489,
67.5585

■ 74.9822, 90.5489,
67.5585

■ 67.4799, 86.9953,
53.0256

■ 83.4940, 94.5656,
84.7310

■ 60.9456, 83.8861,
40.9973

■ 93.0512, 99.0613,
104.6607

■ 55.3368, 81.2028,
31.3331

■ 95.0500, 100.0000,
108.9000

■ 50.6075, 78.9249,
23.8765

■ 46.7066, 77.0299,
18.4527

■ 43.5773, 75.4930,
14.8598

■ 41.1532, 74.2852,
12.8550

■ 39.6454, 73.5230,
12.1018

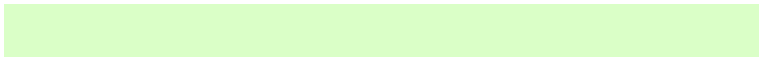
Harmonies

Analogous

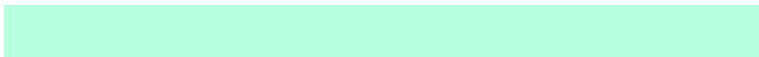
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.1954, 90.5489, 58.7165



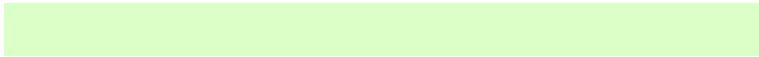
74.9822, 90.5489, 67.5585



70.8992, 90.5489, 85.4978

Triad

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



74.9822, 90.5489, 67.5585



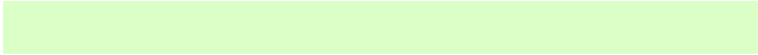
81.3613, 90.5489, 152.4719



103.5117, 90.5489, 87.7651

Complementary

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



74.9822, 90.5489, 67.5585



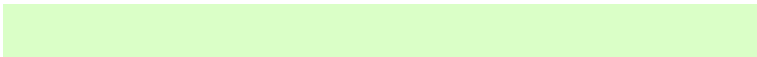
73.0664, 65.9009, 103.4769

Split Complementary

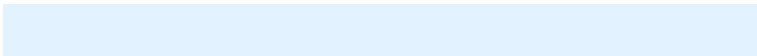
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.2504, 90.5489, 112.9600



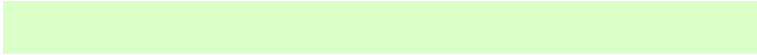
74.9822, 90.5489, 67.5585



90.0522, 90.5489, 153.3592

Square

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



74.9822, 90.5489, 67.5585



74.4074, 90.5489, 135.6663



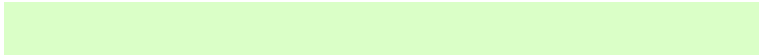
98.1872, 90.5489, 137.9169



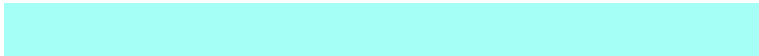
98.8786, 90.5489, 68.9745

Rectangle

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



74.9822, 90.5489, 67.5585



70.3169, 90.5489, 101.5514



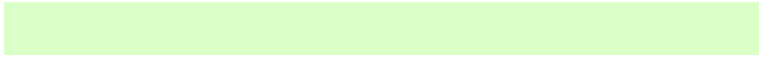
98.1872, 90.5489, 137.9169



104.0023, 90.5489, 95.6913

Sweetspot

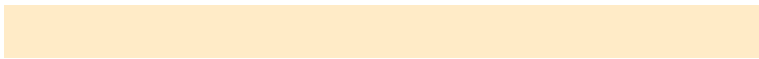
The Sweet Spot groups the original color and five complimentary colors.



74.9828, 90.5492, 67.5599



88.1013, 96.7346, 94.2639



81.3723, 85.0300, 66.1578



18.7343, 20.6473, 19.9202



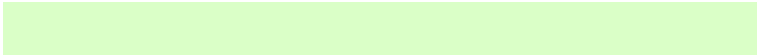
0.0000, 0.0000, 0.0000



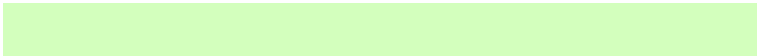
20.3446, 21.4041, 23.3091

Same Dimension

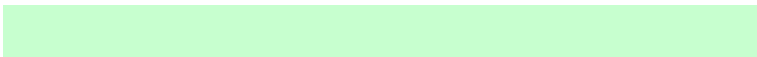
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.9828, 90.5492, 67.5599



71.8324, 89.0587, 61.3776



70.6254, 88.1871, 72.5888



18.3524, 20.4676, 19.1277



20.8579, 38.4907, 6.3301



2.1421, 3.8050, 0.6215

Inverse Universe

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



73.0664, 65.9009, 103.4769



69.6263, 60.7268, 102.6595



78.3908, 68.7986, 96.8205



18.1590, 17.9737, 22.7621



18.0894, 8.2359, 50.0709



1.8781, 0.8621, 4.8807

Previews

White Background



This preview shows how the XYZ color 74.9822, 90.5489, 67.5585 looks on a white background.

Color Contrast Check

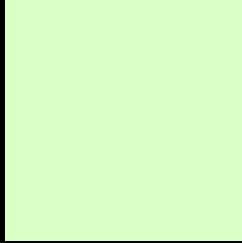
Large Text (above 18pt) WCAG AA × Fail

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 74.9822, 90.5489, 67.5585 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

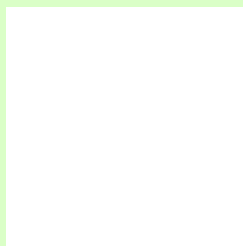
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 74.9822, 90.5489, 67.5585

Background



This preview shows how black text looks on a background with the XYZ color 74.9822, 90.5489, 67.5585.

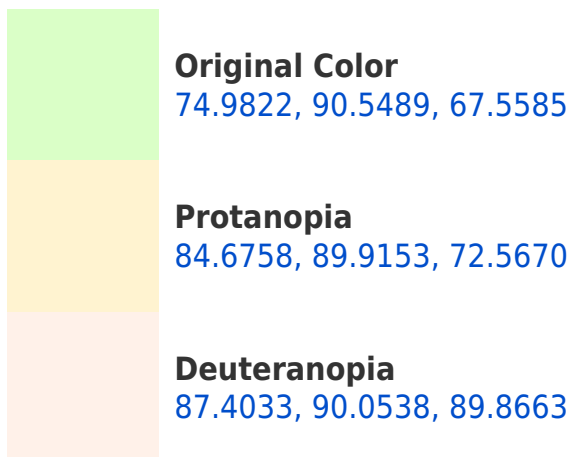


This preview shows how white text looks on a background with the XYZ color 74.9822, 90.5489,

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





Tritanopia

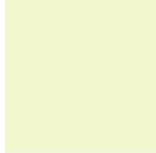
85.2945, 90.3577, 107.5530

Trichromacy



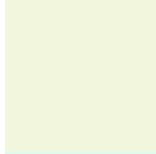
Original Color

74.9822, 90.5489, 67.5585



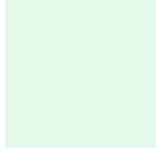
Protanomaly

80.8982, 89.8066, 70.8282



Deuteranomaly

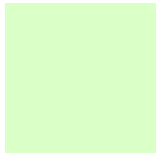
82.6249, 90.0092, 81.4253



Tritanomaly

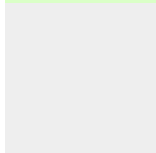
81.1842, 90.4075, 91.7688

Monochromacy



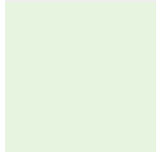
Original Color

74.9822, 90.5489, 67.5585



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

78.7602, 87.0721, 83.1765

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.9822, 90.5489, 67.5585 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(218, 255, 199)` looks like.

```
.text, #text, p{  
    color:rgb(218, 255, 199)  
}
```

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(218, 255, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 255, 199) }
```

Border

The CSS property to change the border of an element to XYZ 74.9822, 90.5489, 67.5585 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(218, 255, 199) }
```


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

```
.border{ border-color:rgb(218, 255, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 255, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 255, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 255, 199);  
box-shadow:4px 4px 4px 4px rgb(218, 255,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 74.9822, 90.5489, 67.5585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 255, 199) }
```

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

```
.background{ background-color: rgb(218,  
255, 199) }
```

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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