

Converting Colors

XYZ(81.2886, 103.3338,
56.7467)

Have a look what the booklet for
XYZ(81.2886, 103.3338, 56.7467)
contains.

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Color

**XYZ(74.9605, 90.8233,
54.6541)**

Conversions

Conversions Part 1

Format	Color
Hex	E2FFB0
RGB	226, 255, 176
RGB Percent	89%, 100%, 69%
CMY	0.1137, 0.0000, 0.3098
CMYK	0.11, 0.00, 0.31, 0.00
HSL	82°, 100%, 85%
HSV	82°, 31%, 100%
XYZ	74.9605, 90.8233, 54.6541
YIQ	237.3230, 8.0750, -30.7170

Conversions

Conversions Part 2

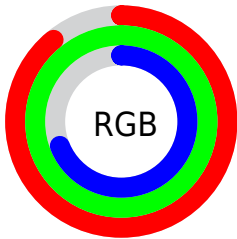
Format	Color
RYB	176, 255, 205
Decimal	14876592
CIELab	96.34, -22.26, 34.74
CIELCh	96, 41.256, 122.646
Yxy	90.8233, 0.3401, 0.4120
Android (android.graphics.Color)	4293066672 (0xFFE2FFB0)
YUV	237.3230, -30.2322, -9.9303
Hunter-Lab	95.3013, -26.3756, 32.7088

Details

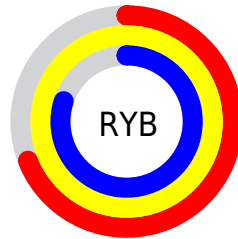
The XYZ color **74.9605, 90.8233, 54.6541** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **58.7532, 51.2511, 101.4036**, and the grayscale version is **80.9659, 85.1824, 92.7637**.

A 20% lighter version of the original color is **91.5655, 98.6062, 90.5508**, and **40.3468, 50.3643, 26.3337** is the 20% darker color. If you saturate the color by 10%, you get **69.8139, 88.4348, 42.4568**, and if you desaturate by 10%, it is **80.7423, 93.4845, 69.3575**.

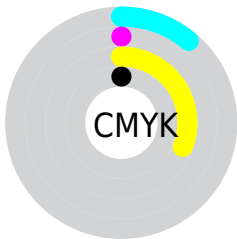
Distribution



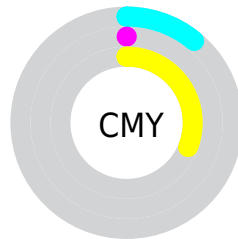
- Red (89%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (80%)



- Cyan (11%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.9605, 90.8233, 54.6541 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 74.9605, 90.8233, 54.6541 by changing the saturation by 10% instead.


 74.9605, 90.8233,
54.6541

 74.9605, 90.8233,
54.6541


466.7811,
530.7054, 421.8443

 55.8746, 68.6637,
38.7281

 125.2447,
148.4815, 98.5000

 40.3390, 50.4379,
26.2421


157.1736,
184.7488, 127.2571

 27.9883, 35.7614,
16.7774


194.1143,
226.4875, 161.1282

 18.4573, 24.2500,
9.9157

236.4321,
274.0820, 200.5320

 11.3805, 15.5192,
5.2382

284.4923,
327.9166, 245.8870

 6.3925, 9.1846,
2.3265

338.6603,

 3.1281, 4.8618,

388.3758, 297.6116

0.7460

399.3014,
455.8439, 356.1246

■ 1.2219, 2.1664,
0.0000

■ 0.1235, 0.7016,
0.0000

■ 74.9605, 90.8233,
54.6541

■ 74.9605, 90.8233,
54.6541

■ 69.8139, 88.4348,
42.4568

■ 80.7423, 93.4845,
69.3575

■ 65.2719, 86.3063,
32.6215

■ 87.1848, 96.4288,
86.6923

■ 61.3033, 84.4251,
24.9954

■ 94.3139, 99.6667,
106.7802

■ 57.8727, 82.7767,
19.4063

■ 95.0500, 100.0000,
108.9000

■ 54.9397, 81.3447,
15.6565

■ 52.4567, 80.1096,
13.5087

■ 50.5369, 79.1378,
12.6115

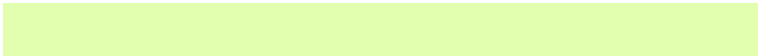
Harmonies

Analogous

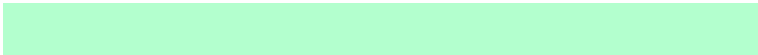
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.3102, 90.8233, 48.2444



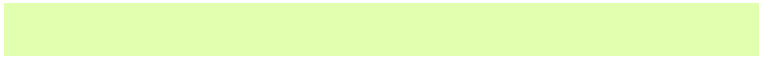
74.9605, 90.8233, 54.6541



68.1725, 90.8233, 72.6038

Triad

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



74.9605, 90.8233, 54.6541



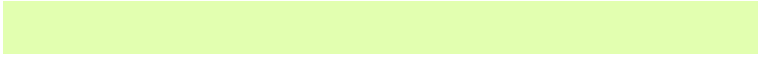
76.5779, 90.8233, 166.3067



110.2958, 90.8233, 96.0024

Complementary

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



74.9605, 90.8233, 54.6541



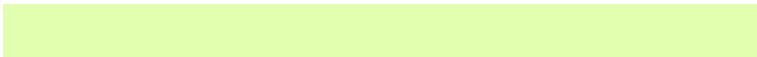
58.7532, 51.2511, 101.4036

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.



107.4433, 90.8233, 130.8622



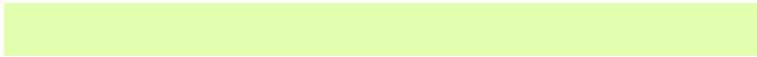
74.9605, 90.8233, 54.6541



87.3475, 90.8233, 176.4015

Square

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



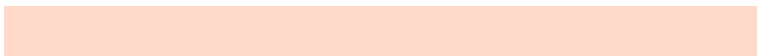
74.9605, 90.8233, 54.6541



69.0465, 90.8233, 137.0476



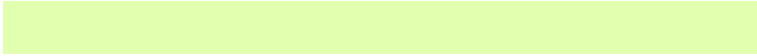
98.7833, 90.8233, 162.2152



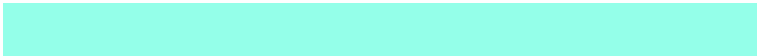
106.2690, 90.8233, 68.5688

Rectangle

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



74.9605, 90.8233, 54.6541



66.2382, 90.8233, 91.0209



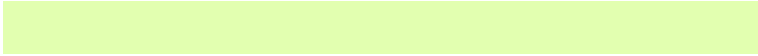
98.7833, 90.8233, 162.2152



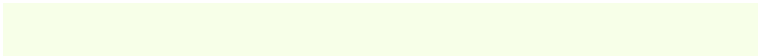
110.1099, 90.8233, 107.2024

Sweetspot

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



74.9609, 90.8235, 54.6554



88.5407, 97.0461, 90.4463



70.9004, 68.0421, 50.4722



18.7375, 20.6745, 18.7664



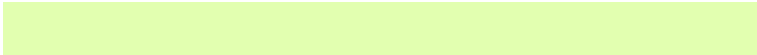
0.0000, 0.0000, 0.0000



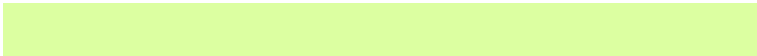
20.3446, 21.4041, 23.3091

Same Dimension

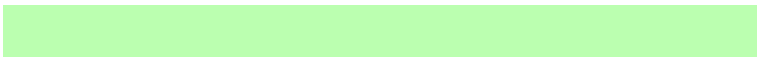
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.9609, 90.8235, 54.6554



71.7879, 89.3535, 47.0199



63.9768, 85.1610, 54.1414



18.8768, 20.7379, 19.1522



26.5766, 41.4388, 6.5978



2.7080, 4.0968, 0.6480

Inverse Universe

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



58.7532, 51.2511, 101.4036



53.3132, 44.2277, 100.3346



71.0463, 57.5884, 101.9789



17.6327, 17.7024, 22.7375



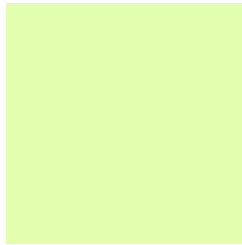
11.9722, 5.0824, 49.7846



1.2809, 0.5543, 4.8527

Previews

White Background



This preview shows how the XYZ color 74.9605, 90.8233, 54.6541 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 74.9605, 90.8233, 54.6541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

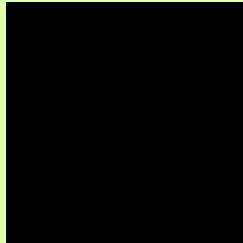
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

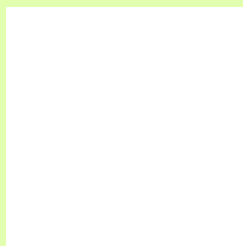
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 74.9605, 90.8233, 54.6541

Background



This preview shows how black text looks on a background with the XYZ color 74.9605, 90.8233, 54.6541.

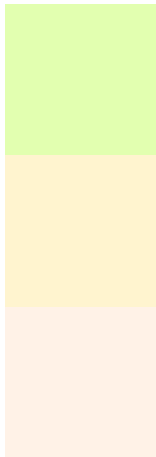


This preview shows how white text looks on a background with the XYZ color 74.9605, 90.8233,

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

74.9605, 90.8233, 54.6541

Protanopia

84.8532, 90.4664, 72.0210

Deuteranopia

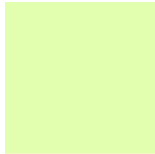
87.4159, 90.5338, 88.4688



Tritanopia

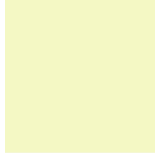
86.6763, 90.6221, 107.5312

Trichromacy



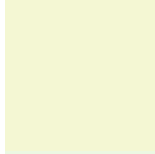
Original Color

74.9605, 90.8233, 54.6541



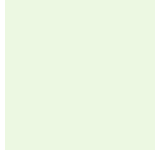
Protanomaly

80.8394, 90.3534, 65.4038



Deuteranomaly

82.3269, 90.4578, 74.7490



Tritanomaly

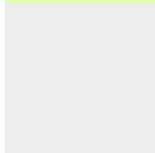
81.8869, 90.4587, 85.0959

Monochromacy



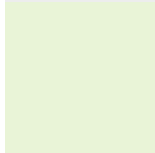
Original Color

74.9605, 90.8233, 54.6541



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.2207, 86.9313, 76.9467

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.9605, 90.8233, 54.6541 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(226, 255, 176)` looks like.

```
.text, #text, p{  
    color:rgb(226, 255, 176)  
}
```

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(226, 255, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 255, 176) }
```

Border

The CSS property to change the border of an element to XYZ 74.9605, 90.8233, 54.6541 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(226, 255, 176) }
```


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

```
.border{ border-color:rgb(226, 255, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 255, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 255, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 255, 176);  
box-shadow:4px 4px 4px 4px rgb(226, 255,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 74.9605, 90.8233, 54.6541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 255, 176) }
```

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

```
.background{ background-color: rgb(226,  
255, 176) }
```

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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