

# Converting Colors

XYZ(74.0804, 90.3403, 55.9376)

Have a look what the booklet for  
XYZ(74.0804, 90.3403, 55.9376)  
contains.

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# Color

**XYZ(74.0209, 90.3043,  
56.1770)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEFFB3
RGB	222, 255, 179
RGB Percent	87%, 100%, 70%
CMY	0.1294, 0.0000, 0.2980
CMYK	0.13, 0.00, 0.30, 0.00
HSL	86°, 100%, 85%
HSV	86°, 30%, 100%
XYZ	74.0209, 90.3043, 56.1770
YIQ	236.4690, 4.7280, -30.6320

# Conversions

## Conversions Part 2

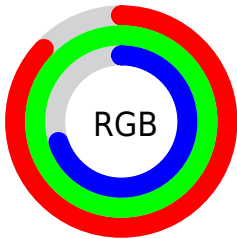
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 255, 212
Decimal	14614451
CIELab	96.12, -23.27, 32.91
CIELCh	96, 40.302, 125.266
Yxy	90.3043, 0.3357, 0.4095
Android (android.graphics.Color)	4292804531 (0xFFDEFFB3)
YUV	236.4690, -28.3322, -12.6893
Hunter-Lab	95.0286, -27.2605, 31.4702

# Details

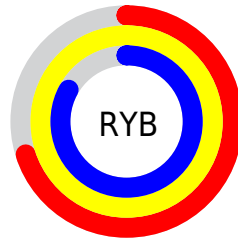
The XYZ color **74.0209, 90.3043, 56.1770** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.3225, 53.4585, 101.6942**, and the grayscale version is **80.2957, 84.4773, 91.9958**.

A 20% lighter version of the original color is **91.9954, 98.7782, 92.8147**, and **39.6859, 50.0015, 27.2983** is the 20% darker color. If you saturate the color by 10%, you get **68.3947, 87.6748, 43.6732**, and if you desaturate by 10%, it is **80.3476, 93.2397, 71.2055**.

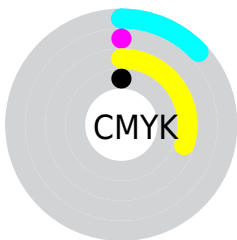
# Distribution



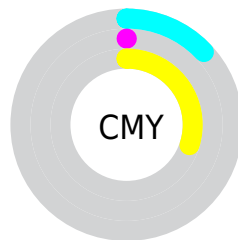
- Red (87%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (83%)



- Cyan (13%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)




- Cyan (13%)
- Magenta (0%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.0209, 90.3043, 56.1770 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 74.0209, 90.3043, 56.1770 by changing the saturation by 10% instead.





 74.0209, 90.3043,  
56.1770

 74.0209, 90.3043,  
56.1770

463.5947,  
529.0202, 427.7652

 55.1025, 68.2331,  
39.9399


 123.9208,  
147.7610, 100.7517

 39.7179, 50.0874,  
27.1783


155.6329,  
183.9153, 129.9264

 27.5019, 35.4828,  
17.4735


192.3404,  
225.5326, 164.2507

 18.0891, 24.0350,  
10.4072

234.4085,  
272.9975, 204.1431

 11.1140, 15.3596,  
5.5606

282.2027,  
326.6944, 250.0223

 6.2114, 9.0722,  
2.5154

336.0882,

 3.0160, 4.7883,

387.0075, 302.3066

0.8483

396.4304,  
454.3213, 361.4148

■ 1.1622, 2.1236,  
0.0000

■ 0.0762, 0.6778,  
0.0000

■ 74.0209, 90.3043,  
56.1770

■ 74.0209, 90.3043,  
56.1770

■ 68.3947, 87.6748,  
43.6732

■ 80.3476, 93.2397,  
71.2055

■ 63.4373, 85.3381,  
33.5513

■ 87.4021, 96.4925,  
88.8831

■ 59.1157, 83.2804,  
25.6604

95.0500, 100.0000,  
108.9000

■ 55.3934, 81.4866,  
19.8306

■ 52.2286, 79.9396,  
15.8675

■ 49.5728, 78.6192,  
13.5397

■ 47.3506, 77.4949,  
12.4768

■ 47.3096, 77.4741,  
12.4605

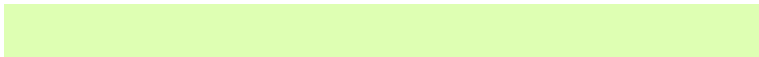
# Harmonies

## Analogous

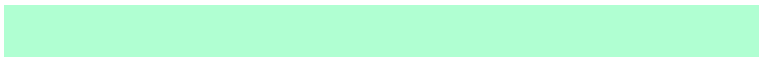
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.8757, 90.3043, 48.9218



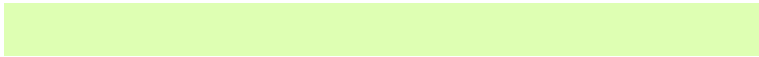
74.0209, 90.3043, 56.1770



67.7683, 90.3043, 74.7747

# Triad

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



74.0209, 90.3043, 56.1770



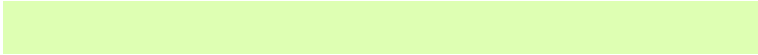
77.1570, 90.3043, 165.4254



109.0386, 90.3043, 92.7889

# Complementary

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



74.0209, 90.3043, 56.1770



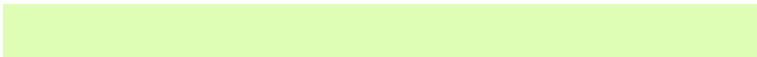
61.3225, 53.4585, 101.6942

# Split Complementary

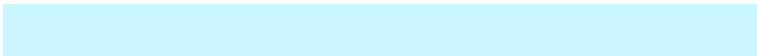
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



106.8491, 90.3043, 126.3662



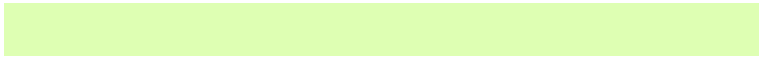
74.0209, 90.3043, 56.1770



87.8175, 90.3043, 173.1561

# Square

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



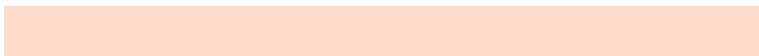
74.0209, 90.3043, 56.1770



69.4659, 90.3043, 138.2785



98.8360, 90.3043, 157.5688

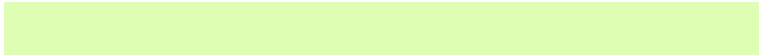


104.5846, 90.3043, 66.9216

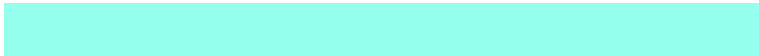


# Rectangle

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



74.0209, 90.3043, 56.1770



66.1610, 90.3043, 93.3377



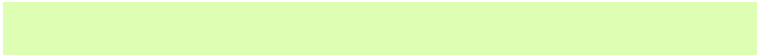
98.8360, 90.3043, 157.5688



109.0590, 90.3043, 103.4889

# Sweetspot

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



74.0213, 90.3045, 56.1783



88.0009, 96.7678, 90.4211



72.9041, 71.5691, 52.6209



18.6043, 20.6058, 18.7601



0.0000, 0.0000, 0.0000

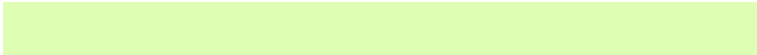


20.3446, 21.4041, 23.3091

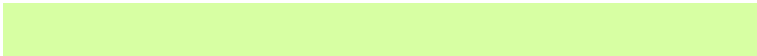


# Same Dimension

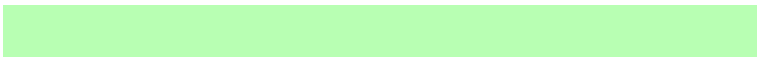
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.0213, 90.3045, 56.1783



70.4539, 88.6396, 48.1402



63.6806, 84.9736, 55.6944



18.7552, 20.6752, 19.1465



24.8948, 40.5718, 6.5191



2.5493, 4.0150, 0.6406



# Inverse Universe

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



61.3225, 53.4585, 101.6942



55.8280, 46.1906, 100.5810



73.5711, 59.7729, 102.2674



17.7512, 17.7635, 22.7431



13.0027, 5.6136, 49.8328

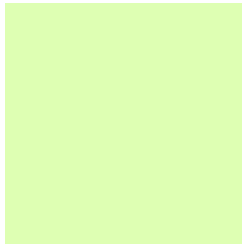


1.3885, 0.6097, 4.8578



# Previews

## White Background



This preview shows how the XYZ color 74.0209, 90.3043, 56.1770 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

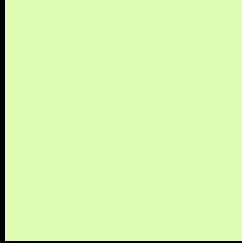
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.0209, 90.3043, 56.1770 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

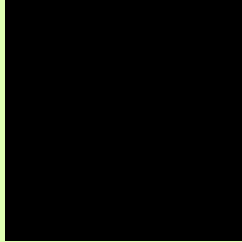
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

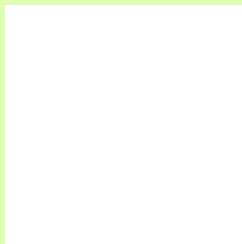
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 74.0209, 90.3043, 56.1770

## Background



This preview shows how black text looks on a background with the XYZ color 74.0209, 90.3043, 56.1770.



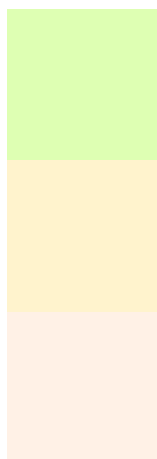
This preview shows how white text looks on a background with the XYZ color 74.0209, 90.3043,

56.1770.

# 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

74.0209, 90.3043, 56.1770

### Protanopia

84.3100, 89.7690, 70.6411

### Deuteranopia

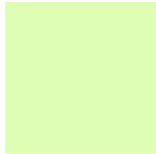
86.9782, 89.8838, 87.6280



## Tritanopia

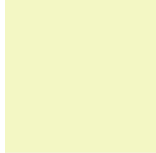
85.6606, 90.0985, 107.4837

# Trichromacy



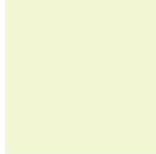
## Original Color

74.0209, 90.3043, 56.1770



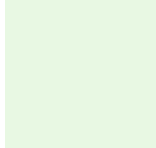
## Protanomaly

80.1867, 89.5617, 65.2854



## Deuteranomaly

81.6758, 89.6694, 74.6312



## Tritanomaly

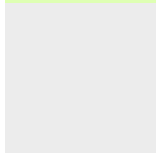
80.7112, 89.8367, 85.7593

# Monochromacy



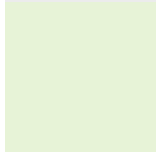
## Original Color

74.0209, 90.3043, 56.1770



## Achromatopsia

79.7278, 83.8799, 91.3452



## Achromatomaly

77.2713, 85.9964, 76.8163

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.0209, 90.3043, 56.1770 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(222, 255, 179)` looks like.

```
.text, #text, p{  
    color:rgb(222, 255, 179)  
}
```

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(222, 255, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 179) }
```

## Border

The CSS property to change the border of an element to XYZ 74.0209, 90.3043, 56.1770 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(222, 255, 179) }
```



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

```
.border{ border-color:rgb(222, 255, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 255, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
179) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.0209, 90.3043, 56.1770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 255, 179) }
```

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

```
.background{ background-color: rgb(222,  
255, 179) }
```

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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