

# Converting Colors

XYZ(74.1178, 90.2785, 59.6025)

Have a look what the booklet for  
XYZ(74.1178, 90.2785, 59.6025)  
contains.

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# Color

**XYZ(74.0322, 90.2384,  
59.4148)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCFFB9
RGB	220, 255, 185
RGB Percent	86%, 100%, 73%
CMY	0.1373, 0.0000, 0.2745
CMYK	0.14, 0.00, 0.27, 0.00
HSL	90°, 100%, 86%
HSV	90°, 27%, 100%
XYZ	74.0322, 90.2384, 59.4148
YIQ	236.5550, 1.6100, -29.1900

# Conversions

## Conversions Part 2

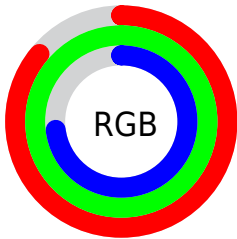
<b>Format</b>	<b>Color</b>
<b>RYB</b>	185, 255, 220
Decimal	14483385
CIELab	96.10, -23.13, 29.83
CIELCh	96, 37.750, 127.784
Yxy	90.2384, 0.3310, 0.4034
Android (android.graphics.Color)	4292673465 (0xFFDCFFB9)
YUV	236.5550, -25.4166, -14.5187
Hunter-Lab	94.9939, -27.1278, 29.4123

# Details

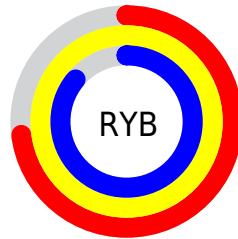
The XYZ color **74.0322, 90.2384, 59.4148** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.9151, 57.1348, 102.2145**, and the grayscale version is **80.3419, 84.5259, 92.0487**.

A 20% lighter version of the original color is **92.8772, 99.1309, 97.4581**, and **39.6007, 49.9194, 29.0210** is the 20% darker color. If you saturate the color by 10%, you get **67.8640, 87.3422, 46.3119**, and if you desaturate by 10%, it is **80.9786, 93.4800, 75.0769**.

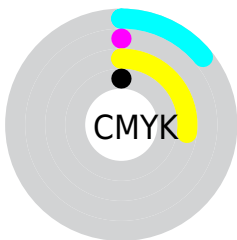
# Distribution



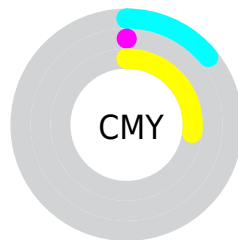
- Red (86%)
- Green (100%)
- Blue (73%)



- Red (73%)
- Yellow (100%)
- Blue (86%)



- Cyan (14%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)




- Cyan (14%)
- Magenta (0%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.0322, 90.2384, 59.4148 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 74.0322, 90.2384, 59.4148 by changing the saturation by 10% instead.




 74.0322, 90.2384,  
59.4148

 74.0322, 90.2384,  
59.4148


463.6331,  
528.8061, 440.1820

 55.1118, 68.1784,  
42.5249


 123.9367,  
147.6695, 105.5153

 39.7254, 50.0429,  
29.1839


155.6515,  
183.8094, 135.5631

 27.5078, 35.4475,  
18.9732


192.3618,  
225.4113, 170.8338

 18.0935, 24.0078,  
11.4743

234.4329,  
272.8597, 211.7462

 11.1172, 15.3394,  
6.2686

282.2303,  
326.5390, 258.7186

 6.2136, 9.0579,  
2.9377

336.1192,

 3.0173, 4.7790,

386.8336, 312.1697

1.0629

396.4650,  
454.1278, 372.5180

■ 1.1629, 2.1182,  
0.0000

■ 0.0768, 0.6748,  
0.0000

■ 74.0322, 90.2384,  
59.4148

■ 74.0322, 90.2384,  
59.4148

■ 67.8640, 87.3422,  
46.3119

■ 80.9786, 93.4800,  
75.0769

■ 62.4401, 84.7770,  
35.6278

■ 88.7319, 97.0790,  
93.4202

■ 57.7262, 82.5282,  
27.2150

95.0500, 100.0000,  
108.9000

■ 53.6837, 80.5797,  
20.9081

■ 50.2700, 78.9134,  
16.5192

■ 47.4353, 77.5087,  
13.8273

■ 45.1171, 76.3396,  
12.5438

■ 44.5869, 76.0704,  
12.3331

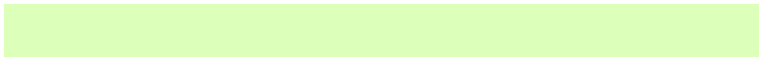
# Harmonies

## Analogous

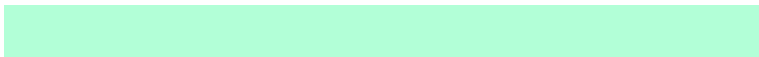
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0749, 90.2384, 51.5380



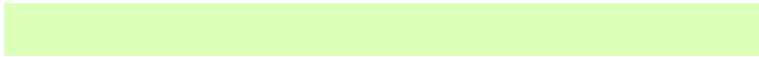
74.0322, 90.2384, 59.4148



68.4718, 90.2384, 78.0536

# Triad

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



74.0322, 90.2384, 59.4148



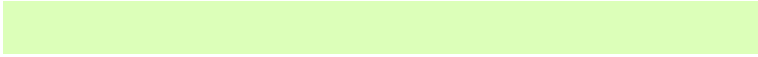
78.3902, 90.2384, 161.7728



107.2684, 90.2384, 90.6611

# Complementary

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



74.0322, 90.2384, 59.4148



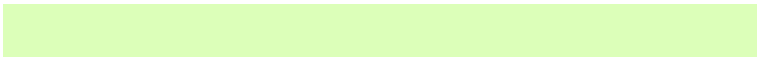
64.9151, 57.1348, 102.2145

# Split Complementary

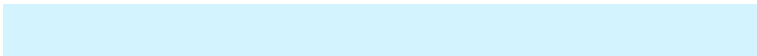
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



105.7582, 90.2384, 121.6702



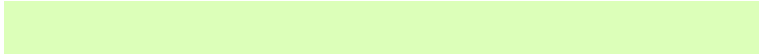
74.0322, 90.2384, 59.4148



88.5205, 90.2384, 167.0489

# Square

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



74.0322, 90.2384, 59.4148



70.8417, 90.2384, 137.9186



98.6848, 90.2384, 151.1420

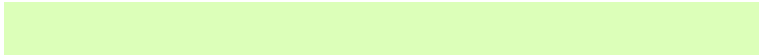


102.6582, 90.2384, 67.0326

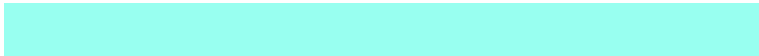


# Rectangle

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



74.0322, 90.2384, 59.4148



67.2083, 90.2384, 96.0447



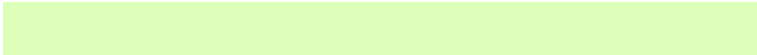
98.6848, 90.2384, 151.1420



107.4661, 90.2384, 100.4974

# Sweetspot

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



74.0327, 90.2387, 59.4161



88.2841, 96.8716, 92.3396



75.5907, 75.9499, 56.5760



18.6369, 20.6143, 19.1410



0.0000, 0.0000, 0.0000

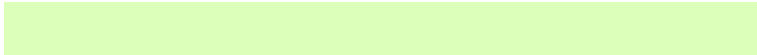


20.3446, 21.4041, 23.3091

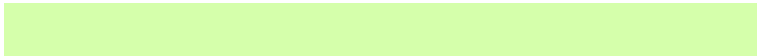


# Same Dimension

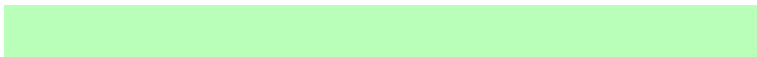
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.0327, 90.2387, 59.4161



70.5151, 88.5894, 51.8361



64.5254, 85.3375, 58.9712



18.6369, 20.6143, 19.1410



23.4698, 39.8372, 6.4524



2.4111, 3.9437, 0.6341



# Inverse Universe

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



64.9151, 57.1348, 102.2145



60.0035, 50.4241, 101.1780



76.6395, 63.1789, 102.7632



17.8684, 17.8239, 22.7485



14.2161, 6.2391, 49.8896

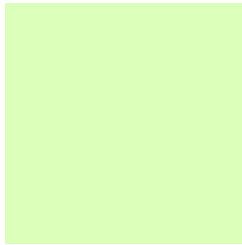


1.5101, 0.6724, 4.8635



# Previews

## White Background



This preview shows how the XYZ color 74.0322, 90.2384, 59.4148 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 74.0322, 90.2384, 59.4148 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

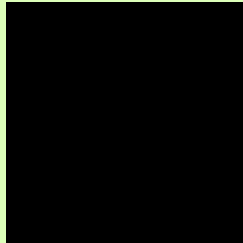
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

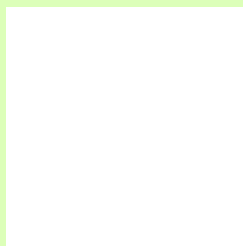
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.0322, 90.2384, 59.4148**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.0322, 90.2384, 59.4148.



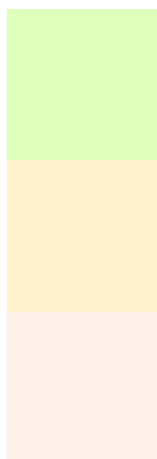
This preview shows how white text looks on a background with the XYZ color 74.0322, 90.2384,

59.4148.

# 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

74.0322, 90.2384, 59.4148

### Protanopia

84.3100, 89.7690, 70.6411

### Deuteranopia

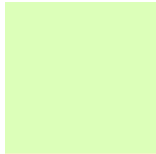
87.1191, 89.9401, 88.3698



## Tritanopia

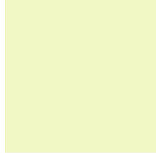
85.3257, 89.9259, 107.4680

# Trichromacy



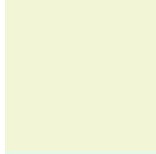
## Original Color

74.0322, 90.2384, 59.4148



## Protanomaly

80.0718, 89.4760, 66.4764



## Deuteranomaly

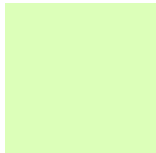
81.7113, 89.6438, 76.6147



## Tritanomaly

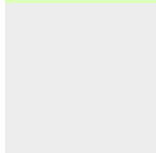
80.8053, 89.8369, 87.9443

# Monochromacy



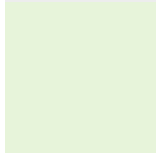
## Original Color

74.0322, 90.2384, 59.4148



## Achromatopsia

80.4953, 84.6873, 92.2245



## Achromatomaly

77.9606, 86.7522, 78.9656

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.0322, 90.2384, 59.4148 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, 255, 185)` looks like.

```
.text, #text, p{  
    color:rgb(220, 255, 185)  
}
```

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, 255, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 255, 185) }
```

## Border

The CSS property to change the border of an element to XYZ 74.0322, 90.2384, 59.4148 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, 255, 185) }
```



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

```
.border{ border-color:rgb(220, 255, 185) }
```

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

Here you see how a box with a 4 pixel rgb(220, 255, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 255, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 255, 185);  
box-shadow:4px 4px 4px 4px rgb(220, 255,  
185) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.0322, 90.2384, 59.4148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 255, 185) }
```

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

```
.background{ background-color: rgb(220,  
255, 185) }
```

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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