

# Converting Colors

XYZ(73.9687, 90.0078, 64.6110)

Have a look what the booklet for  
XYZ(73.9687, 90.0078, 64.6110)  
contains.

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# Color

**XYZ(74.1129, 90.1668,  
64.5367)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9FFC2
RGB	217, 255, 194
RGB Percent	85%, 100%, 76%
CMY	0.1490, 0.0000, 0.2392
CMYK	0.15, 0.00, 0.24, 0.00
HSL	97°, 100%, 88%
HSV	97°, 24%, 100%
XYZ	74.1129, 90.1668, 64.5367
YIQ	236.6840, -3.0670, -27.0270

# Conversions

## Conversions Part 2

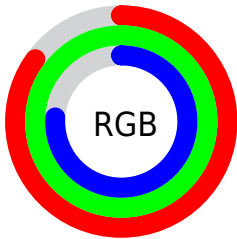
Format	Color
<a href="#">RYB</a>	<a href="#">194, 255, 232</a>
Decimal	<a href="#">14286786</a>
CIELab	<a href="#">96.07, -22.83, 25.22</a>
CIELCh	<a href="#">96, 34.018, 132.162</a>
Yxy	<a href="#">90.1668, 0.3239, 0.3941</a>
Android (android.graphics.Color)	<a href="#">4292476866 (0xFFD9FFC2)</a>
YUV	<a href="#">236.6840, -21.0432, -17.2629</a>
Hunter-Lab	<a href="#">94.9562, -26.8549, 26.1731</a>

# Details

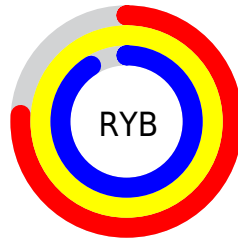
The XYZ color **74.1129, 90.1668, 64.5367** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.6214, 62.9606, 103.0382**, and the grayscale version is **80.4111, 84.5987, 92.1280**.

A 20% lighter version of the original color is **94.4126, 99.7450, 105.5434**, and **39.8280, 49.9630, 32.3556** is the 20% darker color. If you saturate the color by 10%, you get **66.9932, 86.7994, 50.5146**, and if you desaturate by 10%, it is **82.1796, 93.9655, 81.1709**.

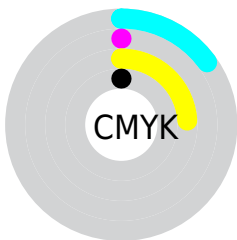
# Distribution



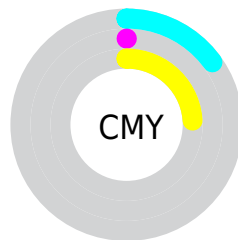
- Red (85%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (91%)



- Cyan (15%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)




- Cyan (15%)
- Magenta (0%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.1129, 90.1668, 64.5367 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 74.1129, 90.1668, 64.5367 by changing the saturation by 10% instead.




 74.1129, 90.1668,  
64.5367

 74.1129, 90.1668,  
64.5367

463.9072,  
528.5733, 459.3858

 55.1781, 68.1190,  
46.6365


124.0505,  
147.5701, 112.9904

 39.7787, 49.9945,  
32.3961


155.7839,  
183.6943, 144.3810

 27.5495, 35.4091,  
21.3969


192.5143,  
225.2795, 181.1056

 18.1250, 23.9782,  
13.2204

234.6069,  
272.7100, 223.5825

 11.1400, 15.3174,  
7.4480

282.4272,  
326.3703, 272.2305

 6.2291, 9.0425,  
3.6611

336.3404,

 3.0269, 4.7689,

386.6446, 327.4680

1.4414

396.7120,  
453.9175, 389.7136

■ 1.1680, 2.1123,  
0.1737

■ 0.0809, 0.6715,  
0.0000

■ 74.1129, 90.1668,  
64.5367

■ 74.1129, 90.1668,  
64.5367

■ 66.9932, 86.7994,  
50.5146

■ 82.1796, 93.9655,  
81.1709

■ 60.7812, 83.8462,  
38.9679

■ 91.2274, 98.2105,  
100.5363

■ 55.4367, 81.2894,  
29.7535

■ 95.0500, 100.0000,  
108.9000

■ 50.9156, 79.1098,  
22.7119

■ 47.1691, 77.2863,  
17.6639

■ 44.1423, 75.7950,  
14.4014

■ 41.7703, 74.6080,  
12.6702

■ 40.5992, 74.0147,  
12.1465

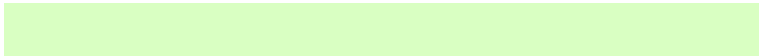
# Harmonies

## Analogous

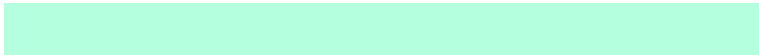
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.9427, 90.1668, 55.7090



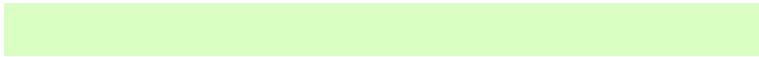
74.1129, 90.1668, 64.5367



69.5947, 90.1668, 83.1328

# Triad

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



74.1129, 90.1668, 64.5367



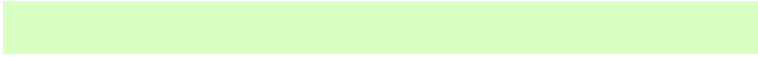
80.2731, 90.1668, 156.2735



104.6473, 90.1668, 87.6522

# Complementary

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



74.1129, 90.1668, 64.5367



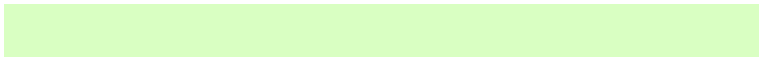
70.6214, 62.9606, 103.0382

# Split Complementary

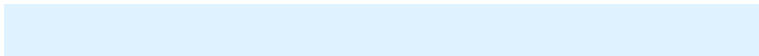
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



104.1179, 90.1668, 114.9333



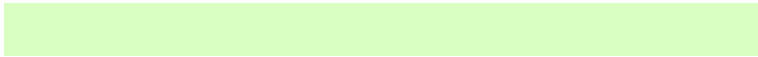
74.1129, 90.1668, 64.5367



89.5722, 90.1668, 158.0925

# Square

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



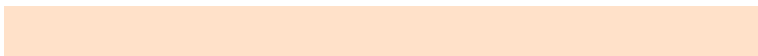
74.1129, 90.1668, 64.5367



72.9679, 90.1668, 137.2580



98.4378, 90.1668, 141.8486

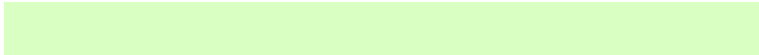


99.8350, 90.1668, 67.3212

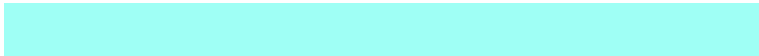


# Rectangle

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



74.1129, 90.1668, 64.5367



68.8509, 90.1668, 100.1453



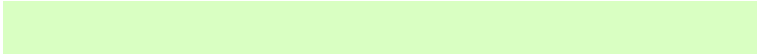
98.4378, 90.1668, 141.8486



105.0974, 90.1668, 96.2333

# Sweetspot

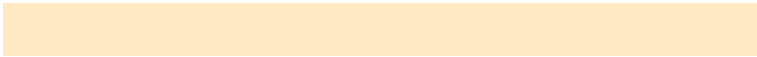
The Sweet Spot groups the original color and five complimentary colors.



74.1134, 90.1670, 64.5380



88.3347, 96.8549, 94.2748



79.7269, 82.6533, 62.7919



18.7883, 20.6751, 19.9227



0.0000, 0.0000, 0.0000

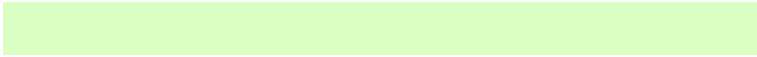


20.3446, 21.4041, 23.3091

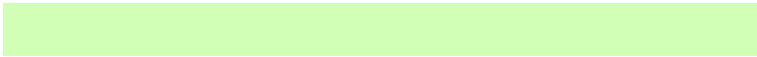


# Same Dimension

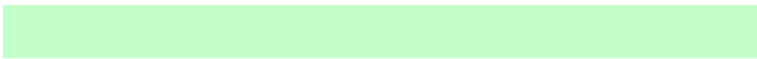
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.1134, 90.1670, 64.5380



70.3809, 88.4037, 57.0971



68.5653, 87.2123, 68.5514



18.4187, 20.5018, 19.1308



21.3660, 38.7527, 6.3539



2.1969, 3.8333, 0.6241



# Inverse Universe

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



70.6214, 62.9606, 103.0382



66.2998, 56.6381, 102.0456



77.4575, 66.6147, 97.4877



18.0902, 17.9382, 22.7589



17.0586, 7.7045, 50.0226



1.7823, 0.8127, 4.8762



# Previews

## White Background



This preview shows how the XYZ color 74.1129, 90.1668, 64.5367 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

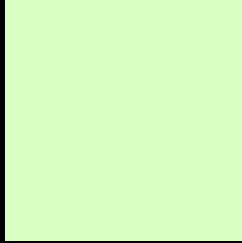
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.1129, 90.1668, 64.5367 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

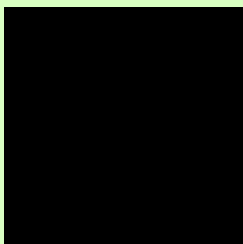
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

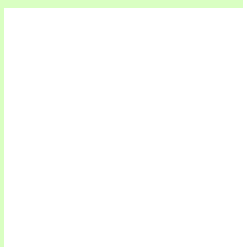
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.1129, 90.1668, 64.5367**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.1129, 90.1668, 64.5367.



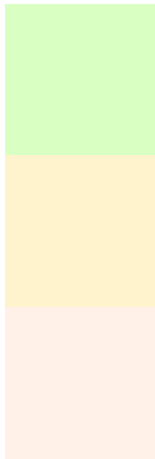
This preview shows how white text looks on a background with the XYZ color 74.1129, 90.1668,

64.5367.

# 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

74.1129, 90.1668, 64.5367

### Protanopia

84.3100, 89.7690, 70.6411

### Deuteranopia

87.2608, 89.9968, 89.1159



## Tritanopia

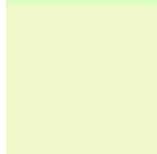
84.6616, 89.5835, 107.4369

# Trichromacy



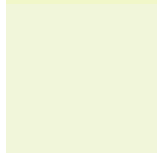
## Original Color

74.1129, 90.1668, 64.5367



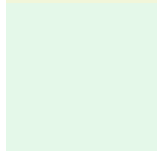
## Protanomaly

80.0790, 89.4393, 68.3012



## Deuteranomaly

81.8863, 89.6743, 79.3227



## Tritanomaly

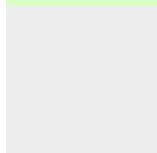
80.2703, 89.5120, 90.1376

# Monochromacy



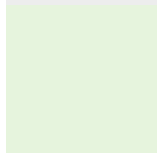
## Original Color

74.1129, 90.1668, 64.5367



## Achromatopsia

80.4953, 84.6873, 92.2245



## Achromatomaly

78.0350, 86.7448, 81.0372

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.1129, 90.1668, 64.5367 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(217, 255, 194)` looks like.

```
.text, #text, p{  
    color:rgb(217, 255, 194)  
}
```

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(217, 255, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 255, 194) }
```

## Border

The CSS property to change the border of an element to XYZ 74.1129, 90.1668, 64.5367 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(217, 255, 194) }
```



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

```
.border{ border-color:rgb(217, 255, 194) }
```

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

Here you see how a box with a 4 pixel rgb(217, 255, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 255, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 255, 194);  
box-shadow:4px 4px 4px 4px rgb(217, 255,  
194) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.1129, 90.1668, 64.5367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 255, 194) }
```

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

```
.background{ background-color: rgb(217,  
255, 194) }
```

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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