

# Converting Colors

XYZ(132.2972, 205.6849,  
81.3072)

Have a look what the booklet for  
XYZ(132.2972, 205.6849, 81.3072)  
contains.

<b>XYZ(74.8731, 90.6099, 62.2584)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(74.8731, 90.6099,  
62.2584)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDFFBE
RGB	221, 255, 190
RGB Percent	87%, 100%, 75%
CMY	0.1333, 0.0000, 0.2549
CMYK	0.13, 0.00, 0.25, 0.00
HSL	91°, 100%, 87%
HSV	91°, 25%, 100%
XYZ	74.8731, 90.6099, 62.2584
YIQ	237.4240, 0.6010, -27.4230

# Conversions

## Conversions Part 2

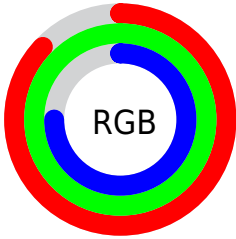
Format	Color
<b>RYB</b>	190, 255, 224
Decimal	14548926
CIELab	96.25, -22.06, 27.53
CIELCh	96, 35.277, 128.697
Yxy	90.6099, 0.3288, 0.3979
Android (android.graphics.Color)	4292739006 (0xFFDDFFBE)
YUV	237.4240, -23.3800, -14.4038
Hunter-Lab	95.1892, -26.1782, 27.8539

# Details

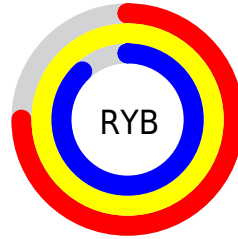
The XYZ color **74.8731, 90.6099, 62.2584** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.2048, 59.8954, 102.6266**, and the grayscale version is **80.9969, 85.2150, 92.7991**.

A 20% lighter version of the original color is **93.7885, 99.4954, 102.2570**, and **40.1551, 50.1651, 30.8590** is the 20% darker color. If you saturate the color by 10%, you get **68.4239, 87.5795, 48.6585**, and if you desaturate by 10%, it is **82.1337, 94.0021, 78.4442**.

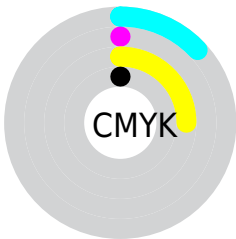
# Distribution



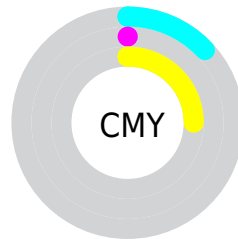
- Red (87%)
- Green (100%)
- Blue (75%)



- Red (75%)
- Yellow (100%)
- Blue (88%)



- Cyan (13%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)




- Cyan (13%)
- Magenta (0%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.8731, 90.6099, 62.2584 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 74.8731, 90.6099, 62.2584 by changing the saturation by 10% instead.





 74.8731, 90.6099,  
62.2584

 74.8731, 90.6099,  
62.2584


466.4852,  
530.0128, 450.9067

 55.8027, 68.4866,  
44.8044


 125.1216,  
148.1853, 109.6741

 40.2812, 50.2937,  
30.9616


157.0304,  
184.4062, 140.4729

 27.9430, 35.6468,  
20.3114


193.9495,  
226.0950, 176.5570

 18.4229, 24.1616,  
12.4353

236.2441,  
273.6362, 218.3450

 11.3556, 15.4535,  
6.9147

284.2796,  
327.4143, 266.2555

 6.3756, 9.1383,  
3.3312

338.4214,

 3.1176, 4.8315,

387.8134, 320.7069

1.2661

399.0348,  
455.2182, 382.1177

■ 1.2163, 2.1487,  
0.0338

■ 0.1191, 0.6918,  
0.0000

■ 74.8731, 90.6099,  
62.2584

■ 74.8731, 90.6099,  
62.2584

■ 68.4239, 87.5795,  
48.6585

■ 82.1337, 94.0021,  
78.4442

■ 62.7517, 84.8964,  
37.5062

■ 90.2349, 97.7687,  
97.3362

■ 57.8216, 82.5456,  
28.6568

95.0500, 100.0000,  
108.9000

■ 53.5949, 80.5107,  
21.9484

■ 50.0285, 78.7736,  
17.1981

■ 47.0733, 77.3136,  
14.1925

■ 44.6700, 76.1060,  
12.6676

■ 43.7315, 75.6295,  
12.2931

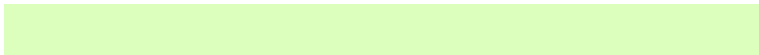
# Harmonies

## Analogous

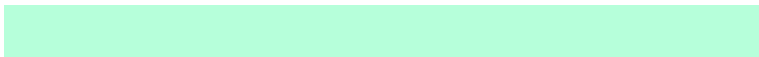
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.3048, 90.6099, 54.3605



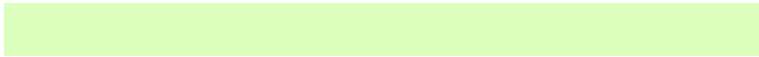
74.8731, 90.6099, 62.2584



69.7363, 90.6099, 80.3279

# Triad

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



74.8731, 90.6099, 62.2584



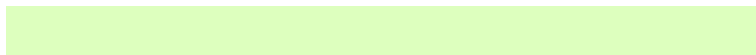
79.4578, 90.6099, 157.9427



106.1178, 90.6099, 90.7236

# Complementary

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



74.8731, 90.6099, 62.2584



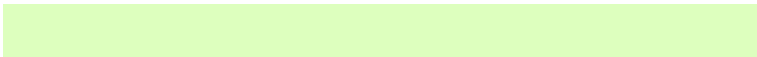
67.2048, 59.8954, 102.6266

# Split Complementary

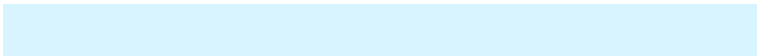
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



104.8921, 90.6099, 119.5856



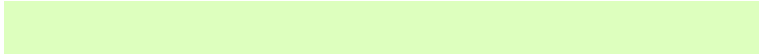
74.8731, 90.6099, 62.2584



89.0020, 90.6099, 162.1757

# Square

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



74.8731, 90.6099, 62.2584



72.2404, 90.6099, 136.3790



98.4446, 90.6099, 147.0396

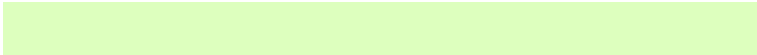


101.6769, 90.6099, 68.6265

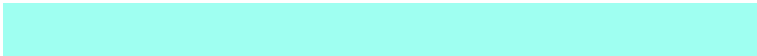


# Rectangle

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



74.8731, 90.6099, 62.2584



68.6283, 90.6099, 97.4371



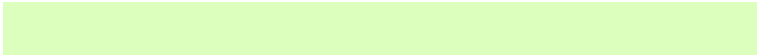
98.4446, 90.6099, 147.0396



106.3613, 90.6099, 99.8906

# Sweetspot

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



74.8736, 90.6101, 62.2597



88.1202, 96.7871, 92.3320



77.0786, 78.0660, 59.7223



18.5957, 20.5930, 19.1391



0.0000, 0.0000, 0.0000

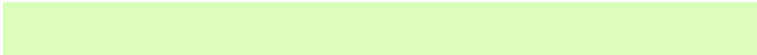


20.3446, 21.4041, 23.3091

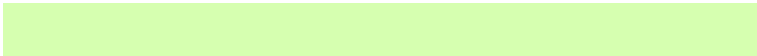


# Same Dimension

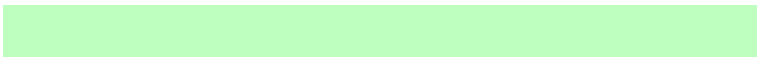
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.8736, 90.6101, 62.2597



71.2212, 88.8962, 54.4533



66.4092, 86.2328, 62.4841



18.5957, 20.5930, 19.1391



23.0206, 39.6056, 6.4313



2.3666, 3.9208, 0.6321



# Inverse Universe

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



67.2048, 59.8954, 102.6266



62.2699, 53.0487, 101.5652



77.5300, 65.2383, 102.2020



17.9098, 17.8452, 22.7505



14.6914, 6.4842, 49.9118

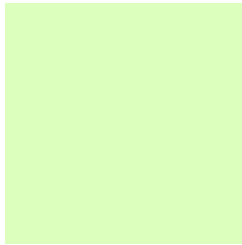


1.5567, 0.6964, 4.8656



# Previews

## White Background



This preview shows how the XYZ color 74.8731, 90.6099, 62.2584 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

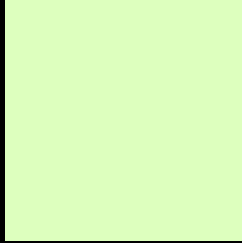
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.8731, 90.6099, 62.2584 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

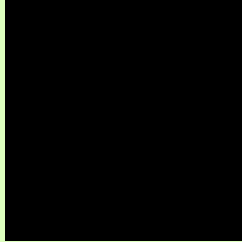
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

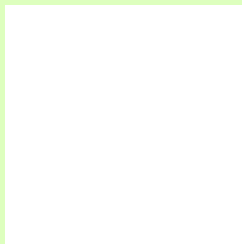
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 74.8731, 90.6099, 62.2584

## Background



This preview shows how black text looks on a background with the XYZ color 74.8731, 90.6099, 62.2584.



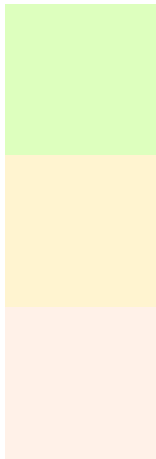
This preview shows how white text looks on a background with the XYZ color 74.8731, 90.6099,

62.2584.

# 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

74.8731, 90.6099, 62.2584

### Protanopia

84.9758, 90.5154, 72.6670

### Deuteranopia

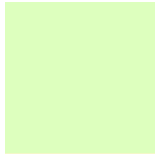
87.2608, 89.9968, 89.1159



## Tritanopia

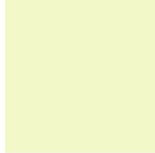
85.9623, 90.7020, 107.5843

# Trichromacy



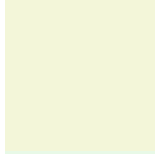
## Original Color

74.8731, 90.6099, 62.2584



## Protanomaly

81.0722, 90.4065, 68.4356



## Deuteranomaly

82.4423, 89.9760, 78.6676



## Tritanomaly

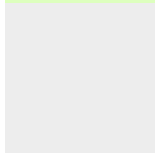
81.5782, 90.6767, 88.8040

# Monochromacy



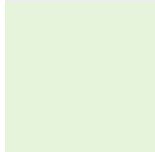
## Original Color

74.8731, 90.6099, 62.2584



## Achromatopsia

80.4953, 84.6873, 92.2245



## Achromatomaly

78.2239, 86.8576, 80.3525

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.8731, 90.6099, 62.2584 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(221, 255, 190)` looks like.

```
.text, #text, p{  
    color:rgb(221, 255, 190)  
}
```

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(221, 255, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 255, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 74.8731, 90.6099, 62.2584 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(221, 255, 190) }
```



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

```
.border{ border-color:rgb(221, 255, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 255, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 255, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 255, 190);  
box-shadow:4px 4px 4px 4px rgb(221, 255,  
190) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.8731, 90.6099, 62.2584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 255, 190) }
```

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

```
.background{ background-color: rgb(221,  
255, 190) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor