

# Converting Colors

XYZ(74.4520, 84.4306, 71.9718)

Have a look what the booklet for  
XYZ(74.4520, 84.4306, 71.9718)  
contains.

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# Color

**XYZ(74.4871, 84.6628,  
72.0902)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E1F3D0
RGB	225, 243, 208
RGB Percent	88%, 95%, 82%
CMY	0.1176, 0.0470, 0.1843
CMYK	0.07, 0.00, 0.14, 0.05
HSL	91°, 59%, 88%
HSV	91°, 14%, 95%
XYZ	74.4871, 84.6628, 72.0902
YIQ	233.6280, 0.5070, -14.7010

# Conversions

## Conversions Part 2

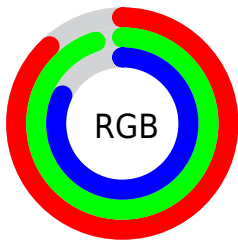
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">208, 243, 226</a>
Decimal	<a href="#">14808016</a>
CIELab	<a href="#">93.74, -12.02, 14.89</a>
CIELCh	<a href="#">94, 19.137, 128.928</a>
Yxy	<a href="#">84.6628, 0.3221, 0.3661</a>
Android (android.graphics.Color)	<a href="#">4292998096 (0xFFE1F3D0)</a>
YUV	<a href="#">233.6280, -12.6346, -7.5668</a>
Hunter-Lab	<a href="#">92.0124, -16.5200, 17.9559</a>

# Details

The XYZ color **74.4871, 84.6628, 72.0902** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **70.1009, 67.7539, 94.1816**, and the grayscale version is **78.0197, 82.0828, 89.3881**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.1806, 46.4198, 37.4140** is the 20% darker color. If you saturate the color by 10%, you get **67.9690, 81.6245, 57.3562**, and if you desaturate by 10%, it is **81.7532, 88.0388, 89.2538**.

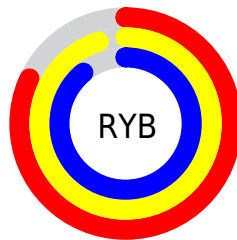
# Distribution



Red (88%)

Green (95%)

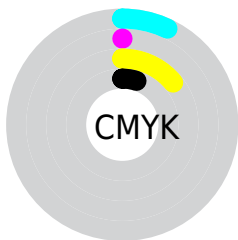
Blue (82%)



Red (82%)

Yellow (95%)

Blue (89%)

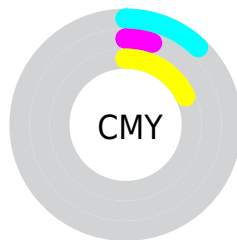


Cyan (7%)

Magenta (0%)

Yellow (14%)

Black (5%)



Cyan (12%)

Magenta (5%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.4871, 84.6628, 72.0902 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 74.4871, 84.6628, 72.0902 by changing the saturation by 10% instead.




 74.4871, 84.6628,  
72.0902

 74.4871, 84.6628,  
72.0902


465.1772,  
510.5116, 486.8415

 55.4855, 63.5628,  
52.7451


124.5779,  
139.9020, 123.8937

 40.0259, 46.2967,  
37.2130


156.3977,  
174.8099, 157.1891

 27.7431, 32.4800,  
25.0754


193.2211,  
215.0893, 195.9717

 18.2715, 21.7284,  
15.9137

235.4132,  
261.1245, 240.6601

 11.2460, 13.6575,  
9.3094

283.3396,  
313.3000, 291.6727

 6.3010, 7.8828,  
4.8440

337.3654,

 3.0714, 4.0201,

372.0000, 349.4281

2.0989

397.8562,  
437.6091, 414.3448

■ 1.1916, 1.6848,  
0.6151

■ 0.0997, 0.4138,  
0.0000

■ 74.4871, 84.6628,  
72.0902

■ 74.4871, 84.6628,  
72.0902

■ 67.9690, 81.6245,  
57.3562

■ 81.7532, 88.0388,  
89.2538

■ 62.1652, 78.9014,  
44.9366

■ 89.5265, 91.6485,  
107.5791

■ 57.0494, 76.4851,  
34.7150

■ 91.3423, 92.5846,  
107.6641

■ 52.5906, 74.3623,  
26.5627

■ 48.7552, 72.5189,  
20.3378

■ 45.5059, 70.9391,  
15.8803

■ 42.8002, 69.6051,  
13.0044

■ 40.5873, 68.4957,  
11.4831

■ 39.5253, 67.9570,  
11.0338

# Harmonies

## Analogous

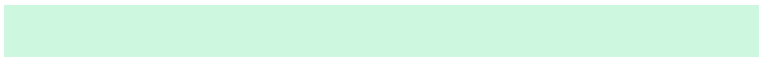
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.9632, 84.6628, 67.2194



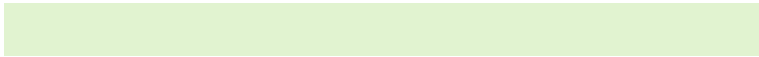
74.4871, 84.6628, 72.0902



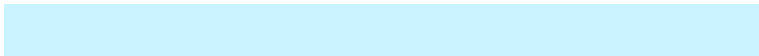
71.6953, 84.6628, 82.4876

# Triad

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



74.4871, 84.6628, 72.0902



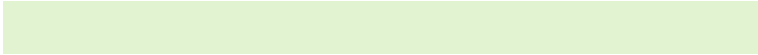
77.0086, 84.6628, 120.8260



90.5089, 84.6628, 87.9102

# Complementary

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



74.4871, 84.6628, 72.0902



70.1009, 67.7539, 94.1816

# Split Complementary

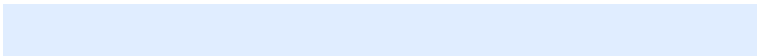
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.9318, 84.6628, 102.6107



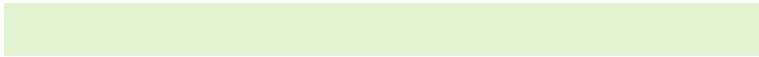
74.4871, 84.6628, 72.0902



81.9948, 84.6628, 122.6697

# Square

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



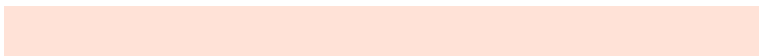
74.4871, 84.6628, 72.0902



73.1079, 84.6628, 110.9001



86.7638, 84.6628, 115.7011

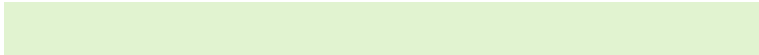


88.3093, 84.6628, 75.7007

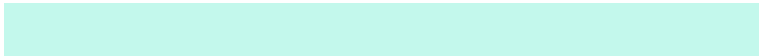


# Rectangle

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



74.4871, 84.6628, 72.0902



71.0938, 84.6628, 91.6610



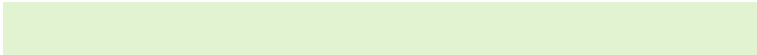
86.7638, 84.6628, 115.7011



90.6351, 84.6628, 92.7078

# Sweetspot

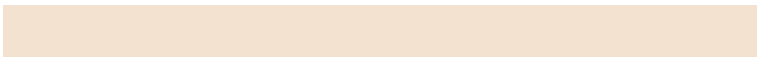
The Sweet Spot groups the original color and five complimentary colors.



74.4894, 84.6665, 72.0920



91.5470, 98.3788, 100.3902



75.4111, 77.7331, 70.7052



19.4571, 20.9933, 21.1560



0.0000, 0.0000, 0.0000

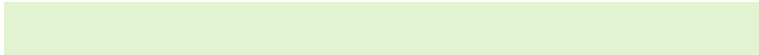


20.3446, 21.4041, 23.3091

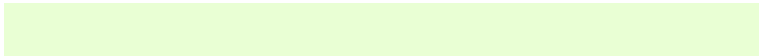


# Same Dimension

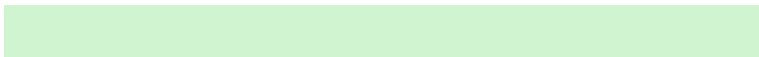
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.4894, 84.6665, 72.0920



81.1068, 93.5294, 75.8343



69.4507, 82.0689, 71.8562



17.0483, 18.8669, 17.5407



21.8461, 37.3749, 6.0627



2.0382, 3.3458, 0.5384



# Inverse Universe

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



70.1009, 67.7539, 94.1816



75.4206, 71.6157, 104.4559



75.6990, 70.6398, 94.4436



16.3941, 16.3458, 20.8336



13.6763, 6.0247, 46.9801

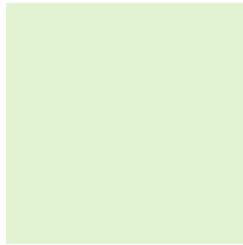


1.3207, 0.5907, 4.1346



# Previews

## White Background



This preview shows how the XYZ color 74.4871, 84.6628, 72.0902 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 74.4871, 84.6628, 72.0902 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

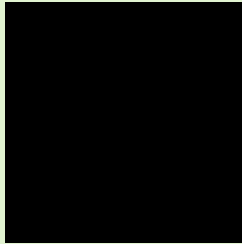
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

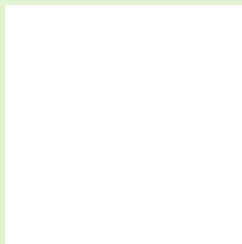
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.4871, 84.6628, 72.0902**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.4871, 84.6628, 72.0902.



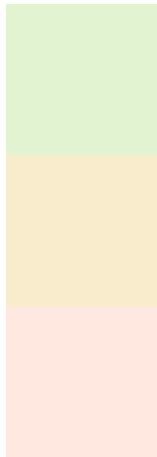
This preview shows how white text looks on a background with the XYZ color 74.4871, 84.6628,



# 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

74.4871, 84.6628, 72.0902

### Protanopia

79.6059, 84.3070, 69.2039

### Deuteranopia

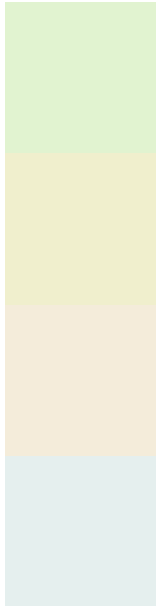
83.4159, 84.3009, 81.6873



## Tritanopia

81.3242, 84.3667, 106.6059

# Trichromacy



## Original Color

74.4871, 84.6628, 72.0902

## Protanomaly

77.8211, 84.6660, 69.9982

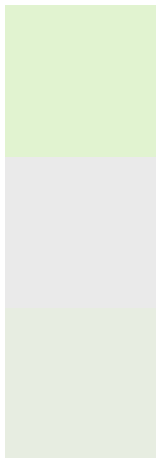
## Deuteranomaly

79.9586, 84.2860, 78.3842

## Tritanomaly

78.6122, 84.5641, 93.0681

# Monochromacy



## Original Color

74.4871, 84.6628, 72.0902

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

76.8298, 82.9935, 83.2042

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.4871, 84.6628, 72.0902 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(225, 243, 208)` looks like.

```
.text, #text, p{  
    color:rgb(225, 243, 208)  
}
```

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(225, 243, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 243, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 74.4871, 84.6628, 72.0902 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(225, 243, 208) }
```



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

```
.border{ border-color:rgb(225, 243, 208) }
```

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

Here you see how a box with a 4 pixel rgb(225, 243, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 243, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 243, 208);  
box-shadow:4px 4px 4px 4px rgb(225, 243,  
208) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.4871, 84.6628, 72.0902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 243, 208) }
```

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

```
.background{ background-color: rgb(225,  
243, 208) }
```

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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