

# Converting Colors

XYZ(74.3362, 84.9785, 63.9635)

Have a look what the booklet for  
XYZ(74.3362, 84.9785, 63.9635)  
contains.

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# Color

**XYZ(74.2140, 84.6993,  
64.0669)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5F3C3
RGB	229, 243, 195
RGB Percent	90%, 95%, 76%
CMY	0.1020, 0.0470, 0.2353
CMYK	0.06, 0.00, 0.20, 0.05
HSL	78°, 67%, 86%
HSV	78°, 20%, 95%
XYZ	74.2140, 84.6993, 64.0669
YIQ	233.3420, 7.0640, -17.8960

# Conversions

## Conversions Part 2

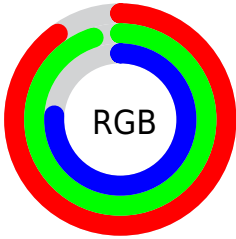
Format	Color
<a href="#">RYB</a>	<a href="#">195, 243, 209</a>
Decimal	<a href="#">15070147</a>
CIELab	<a href="#">93.75, -12.66, 21.64</a>
CIELCh	<a href="#">94, 25.067, 120.325</a>
Yxy	<a href="#">84.6993, 0.3328, 0.3799</a>
Android (android.graphics.Color)	<a href="#">4293260227 (0xFFE5F3C3)</a>
YUV	<a href="#">233.3420, -18.9026, -3.8079</a>
Hunter-Lab	<a href="#">92.0322, -17.1155, 23.1487</a>

# Details

The XYZ color **74.2140, 84.6993, 64.0669** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **61.9906, 59.0589, 92.9309**, and the grayscale version is **77.8460, 81.9000, 89.1891**.

A 20% lighter version of the original color is **94.5707, 99.8083, 106.3760**, and **39.8116, 46.3480, 32.0471** is the 20% darker color. If you saturate the color by 10%, you get **69.4716, 82.5491, 50.6511**, and if you desaturate by 10%, it is **79.5005, 87.0834, 79.8456**.

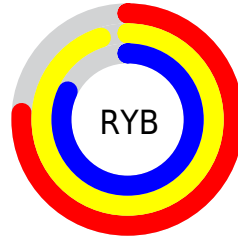
# Distribution



Red (90%)

Green (95%)

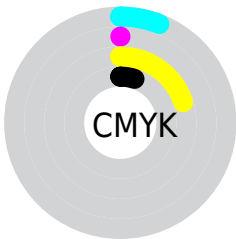
Blue (76%)



Red (76%)

Yellow (95%)

Blue (82%)

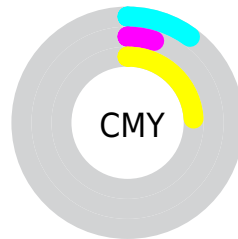


Cyan (6%)

Magenta (0%)

Yellow (20%)

Black (5%)



Cyan (10%)

Magenta (5%)

Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.2140, 84.6993, 64.0669 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 74.2140, 84.6993, 64.0669 by changing the saturation by 10% instead.



74.2140, 84.6993,  
64.0669

74.2140, 84.6993,  
64.0669

464.2505,  
510.6325, 457.6453

55.2611, 63.5930,  
46.2583

124.1930,  
139.9530, 112.3077

39.8455, 46.3211,  
32.0996

155.9498,  
174.8691, 143.5770

27.6018, 32.4993,  
21.1721

192.7053,  
215.1573, 180.1702

18.1646, 21.7431,  
13.0574

234.8248,  
261.2019, 222.5060

11.1686, 13.6683,  
7.3369

282.6738,  
313.3873, 271.0029

6.2485, 7.8903,  
3.5921


336.6175,


3.0389, 4.0248,


372.0979, 326.0794


1.4043


397.0213,  
437.7182, 388.1540


 1.1743, 1.6875,  
0.1451


 0.0860, 0.4155,  
0.0000


 74.2140, 84.6993,  
64.0669


 74.2140, 84.6993,  
64.0669


 69.4716, 82.5491,  
50.6511


 79.5005, 87.0834,  
79.8456


 65.2438, 80.6125,  
39.4790

 85.3456, 89.6990,  
98.0879

 61.5085, 78.8833,  
30.4291

 89.6234, 91.6985,  
107.5837

 58.2388, 77.3507,  
23.3664

 91.3423, 92.5846,  
107.6641

■ 55.4050, 76.0025,  
18.1403

■ 52.9732, 74.8252,  
14.5785

■ 50.9034, 73.8026,  
12.4764

■ 49.1311, 72.9087,  
11.5005

■ 49.0895, 72.8877,  
11.4814

# Harmonies

## Analogous

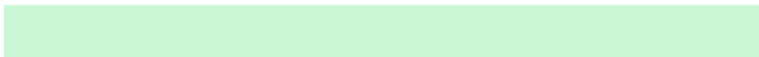
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.4315, 84.6993, 60.2138



74.2140, 84.6993, 64.0669



69.8892, 84.6993, 75.2423

# Triad

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



74.2140, 84.6993, 64.0669



74.3333, 84.6993, 127.8727



93.9913, 84.6993, 92.0152

# Complementary

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



74.2140, 84.6993, 64.0669



61.9906, 59.0589, 92.9309

# Split Complementary

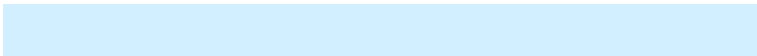
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.1428, 84.6993, 111.5839



74.2140, 84.6993, 64.0669



80.5768, 84.6993, 133.9424

# Square

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



74.2140, 84.6993, 64.0669



69.9554, 84.6993, 111.9936



87.1400, 84.6993, 127.6142

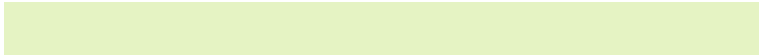


92.0634, 84.6993, 74.9281

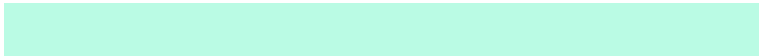


# Rectangle

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



74.2140, 84.6993, 64.0669



68.5363, 84.6993, 86.2000



87.1400, 84.6993, 127.6142



93.7899, 84.6993, 98.5206

# Sweetspot

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



74.2162, 84.7030, 64.0687



91.0604, 98.2167, 96.3629



69.5179, 68.4024, 61.1700



19.4007, 20.9821, 20.3467



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

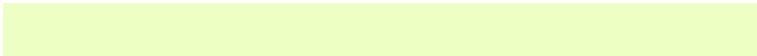


# Same Dimension

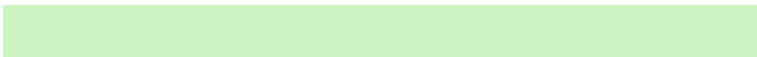
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.2162, 84.7030, 64.0687



80.4486, 93.4355, 64.7160



67.1910, 81.0814, 63.7399



17.4162, 19.0566, 17.5579



27.0814, 40.0738, 6.3077



2.4821, 3.5746, 0.5592



# Inverse Universe

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



61.9906, 59.0589, 92.9309



64.3493, 59.6604, 102.7318



69.1696, 62.7598, 93.2668



16.0354, 16.1609, 20.8168



10.4169, 4.3444, 46.8275

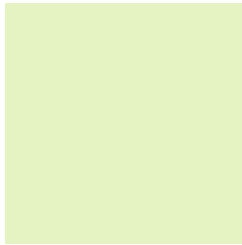


1.0135, 0.4323, 4.1203



# Previews

## White Background



This preview shows how the XYZ color 74.2140, 84.6993, 64.0669 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

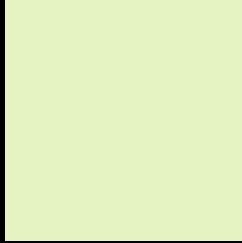
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.2140, 84.6993, 64.0669 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

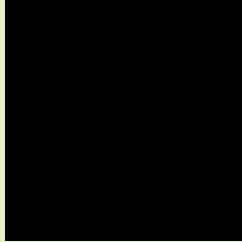
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

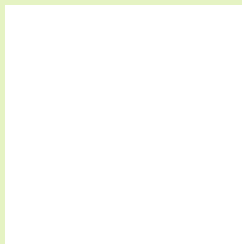
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.2140, 84.6993, 64.0669**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.2140, 84.6993, 64.0669.



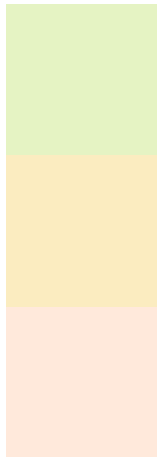
This preview shows how white text looks on a background with the XYZ color 74.2140, 84.6993,



# 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

74.2140, 84.6993, 64.0669

### Protanopia

79.2935, 84.3059, 61.9626

### Deuteranopia

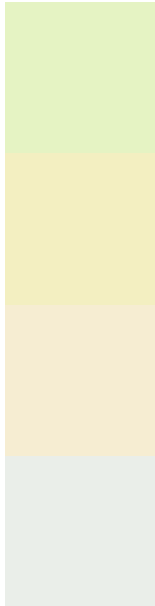
83.1651, 84.6523, 78.9741



## Tritanopia

82.5228, 84.5769, 105.7415

# Trichromacy



## Original Color

74.2140, 84.6993, 64.0669

## Protanomaly

77.4543, 84.6379, 62.7066

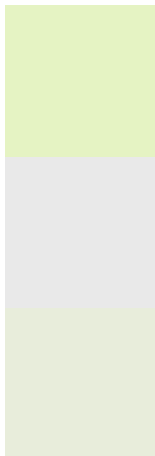
## Deuteranomaly

79.9231, 84.8143, 73.1312

## Tritanomaly

79.2142, 84.5247, 89.2307

# Monochromacy



## Original Color

74.2140, 84.6993, 64.0669

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

76.3491, 82.8387, 78.9833

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.2140, 84.6993, 64.0669 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(229, 243, 195)` looks like.

```
.text, #text, p{  
    color:rgb(229, 243, 195)  
}
```

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(229, 243, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 243, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 74.2140, 84.6993, 64.0669 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(229, 243, 195) }
```



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

```
.border{ border-color:rgb(229, 243, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 243, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 243, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 243, 195);  
box-shadow:4px 4px 4px 4px rgb(229, 243,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.2140, 84.6993, 64.0669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 243, 195) }
```

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

```
.background{ background-color: rgb(229,  
243, 195) }
```

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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