

# Converting Colors

XYZ(64.6541, 74.8147, 74.3660)

Have a look what the booklet for  
XYZ(64.6541, 74.8147, 74.3660)  
contains.

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# Color

**XYZ(64.5474, 74.7104,  
74.6369)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7E8D6
RGB	199, 232, 214
RGB Percent	78%, 91%, 84%
CMY	0.2196, 0.0902, 0.1608
CMYK	0.14, 0.00, 0.08, 0.09
HSL	147°, 42%, 85%
HSV	147°, 14%, 91%
XYZ	64.5474, 74.7104, 74.6369
YIQ	220.0810, -13.8900, -12.5940

# Conversions

## Conversions Part 2

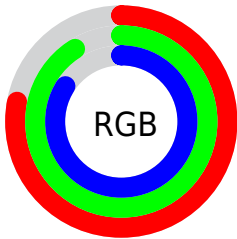
<b>Format</b>	<b>Color</b>
<b>RYB</b>	199, 222, 232
Decimal	13101270
CIELab	89.26, -14.20, 5.13
CIELCh	89, 15.103, 160.128
Yxy	74.7104, 0.3018, 0.3493
Android (android.graphics.Color)	4291291350 (0xFFC7E8D6)
YUV	220.0810, -2.9979, -18.4880
Hunter-Lab	86.4352, -17.9627, 9.3076

# Details

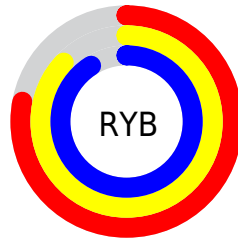
The XYZ color **64.5474, 74.7104, 74.6369** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.2292, 63.0143, 74.3213**, and the grayscale version is **68.1130, 71.6602, 78.0379**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.4604, 39.5736, 38.6758** is the 20% darker color. If you saturate the color by 10%, you get **57.3010, 71.1564, 66.1864**, and if you desaturate by 10%, it is **72.8621, 78.8048, 83.7961**.

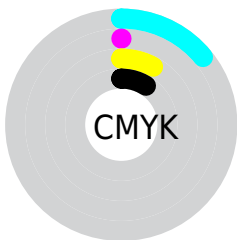
# Distribution



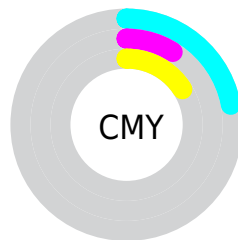
- Red (78%)
- Green (91%)
- Blue (84%)



- Red (78%)
- Yellow (87%)
- Blue (91%)



- Cyan (14%)
- Magenta (0%)
- Yellow (8%)
- Black (9%)



- Cyan (22%)
- Magenta (9%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5474, 74.7104, 74.6369 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 64.5474, 74.7104, 74.6369 by changing the saturation by 10% instead.



64.5474, 74.7104,  
74.6369

64.5474, 74.7104,  
74.6369

430.7347,  
476.9216, 495.8907

47.3575, 55.3757,  
54.8155

110.4682,  
125.9023, 127.5406

33.5275, 39.7026,  
38.8565

139.9299,  
158.5283, 161.4600

22.6920, 27.3067,  
26.3411

174.2129,  
196.3535, 200.9159

14.4857, 17.8037,  
16.8509

213.6825,  
239.7624, 246.3267

8.5432, 10.8092,  
9.9674

258.7041,  
289.1392, 298.1111

4.4992, 5.9387,  
5.2721

309.6431,

1.9882, 2.8078,

344.8684, 356.6875

2.3462

366.8649,  
407.3344, 422.4745

■ 0.6273, 1.0322,  
0.7569

■ 0.0000, 0.0000,  
0.0000

■ 64.5474, 74.7104,  
74.6369

■ 64.5474, 74.7104,  
74.6369

■ 57.3010, 71.1564,  
66.1864

■ 72.8621, 78.8048,  
83.7961

■ 51.0713, 68.1103,  
58.4228

■ 82.2812, 83.4516,  
93.6754

■ 45.8121, 65.5506,  
51.3301

■ 87.6639, 86.0024,  
104.0496

■ 41.4705, 63.4504,  
44.8898

■ 88.1480, 86.1961,  
106.5993

■ 37.9887, 61.7804,  
39.0828

■ 35.3017, 60.5074,  
33.8887

■ 33.3346, 59.5932,  
29.2857

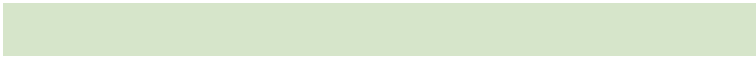
■ 31.9968, 58.9915,  
25.2507

■ 31.4309, 58.7452,  
23.1677

# Harmonies

## Analogous

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



66.5369, 74.7104, 66.7854



64.5474, 74.7104, 74.6369



64.2553, 74.7104, 84.9709

# Triad

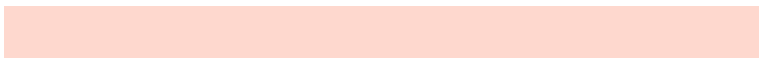
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.5474, 74.7104, 74.6369



72.2644, 74.7104, 103.0225



76.5713, 74.7104, 68.9470

# Complementary

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



64.5474, 74.7104, 74.6369



66.2292, 63.0143, 74.3213

# 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.



78.2222, 74.7104, 77.8275



64.5474, 74.7104, 74.6369



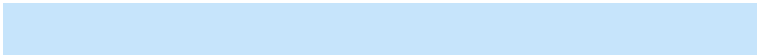
75.6792, 74.7104, 97.8846

# Square

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



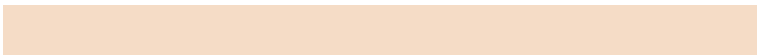
64.5474, 74.7104, 74.6369



68.6267, 74.7104, 101.9809



77.8902, 74.7104, 88.4475



73.4479, 74.7104, 63.7027



# Rectangle

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



64.5474, 74.7104, 74.6369



65.0515, 74.7104, 91.9727



77.8902, 74.7104, 88.4475



77.3217, 74.7104, 71.5728

# Sweetspot

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



64.5495, 74.7135, 74.6386



90.5134, 97.7633, 104.0791



67.8280, 76.6149, 65.2471



19.1963, 20.8380, 22.0866



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

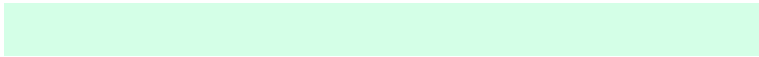


# Same Dimension

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



64.5495, 74.7135, 74.6386



77.2843, 91.2546, 89.4033



66.7445, 75.5916, 86.1973



14.4603, 16.1976, 16.6889



17.5101, 32.6361, 13.1864



1.3403, 2.4302, 1.2185



# Inverse Universe

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



66.2292, 63.0143, 74.3213



79.7345, 74.1875, 88.9398



64.2058, 62.2049, 63.6666



14.7042, 14.4989, 16.6429



20.6501, 10.3942, 12.3181



1.5727, 0.7868, 1.1563



# Previews

## White Background



This preview shows how the XYZ color 64.5474, 74.7104, 74.6369 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

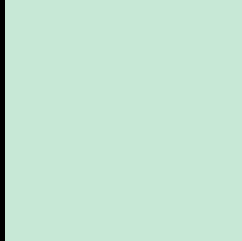
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.5474, 74.7104, 74.6369 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

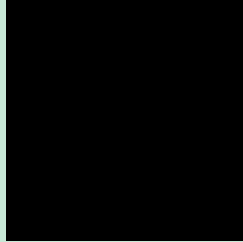
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

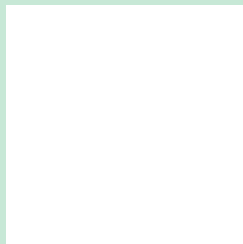
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 64.5474, 74.7104, 74.6369**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.5474, 74.7104, 74.6369.



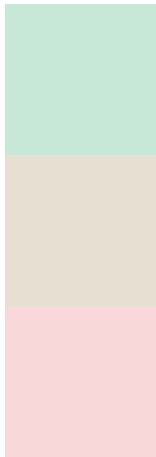
This preview shows how white text looks on a background with the XYZ color 64.5474, 74.7104,

74.6369.

# 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

64.5474, 74.7104, 74.6369

### Protanopia

70.8513, 74.3677, 70.9417

### Deuteranopia

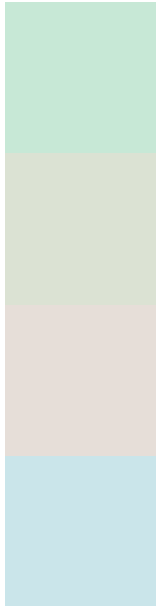
75.7917, 74.0779, 75.9495



## Tritanopia

68.8524, 74.3681, 97.1118

# Trichromacy



## Original Color

64.5474, 74.7104, 74.6369

## Protanomaly

68.1676, 74.1559, 72.3487

## Deuteranomaly

71.1491, 74.0234, 75.5037

## Tritanomaly

67.2277, 74.5357, 88.6855

# Monochromacy



## Original Color

64.5474, 74.7104, 74.6369

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

66.4619, 72.3703, 76.7956

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.5474, 74.7104, 74.6369 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(199, 232, 214)` looks like.

```
.text, #text, p{  
    color:rgb(199, 232, 214)  
}
```

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(199, 232, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 232, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 64.5474, 74.7104, 74.6369 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(199, 232, 214) }
```



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

```
.border{ border-color:rgb(199, 232, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 232, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 232, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 232, 214);  
box-shadow:4px 4px 4px 4px rgb(199, 232,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.5474, 74.7104, 74.6369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 232, 214) }
```

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

```
.background{ background-color: rgb(199,  
232, 214) }
```

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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