

# Converting Colors

XYZ(74.0691, 89.7203, 83.6873)

Have a look what the booklet for  
XYZ(74.0691, 89.7203, 83.6873)  
contains.

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# Color

**XYZ(74.1164, 89.7392,  
83.9361)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCFFE0
RGB	204, 255, 224
RGB Percent	80%, 100%, 88%
CMY	0.2000, 0.0000, 0.1216
CMYK	0.20, 0.00, 0.12, 0.00
HSL	144°, 100%, 90%
HSV	144°, 20%, 100%
XYZ	74.1164, 89.7392, 83.9361
YIQ	236.2170, -20.4450, -20.4530

# Conversions

## Conversions Part 2

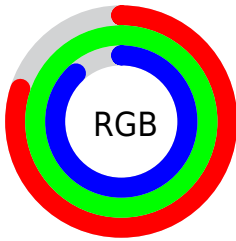
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">204, 241, 255</a>
Decimal	<a href="#">13434848</a>
CIELab	<a href="#">95.89, -22.06, 9.53</a>
CIElCh	<a href="#">96, 24.031, 156.642</a>
Yxy	<a href="#">89.7392, 0.2991, 0.3622</a>
Android (android.graphics.Color)	<a href="#">4291624928 (0xFFCCFFE0)</a>
YUV	<a href="#">236.2170, -6.0230, -28.2543</a>
Hunter-Lab	<a href="#">94.7308, -26.1223, 13.7777</a>

# Details

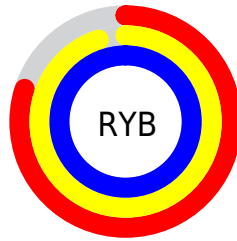
The XYZ color **74.1164, 89.7392, 83.9361** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77.8287, 70.4448, 88.0923**, and the grayscale version is **79.9506, 84.1142, 91.6004**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.7499, 49.6423, 45.0230** is the 20% darker color. If you saturate the color by 10%, you get **65.6826, 85.6233, 73.0643**, and if you desaturate by 10%, it is **83.8877, 94.5224, 95.8737**.

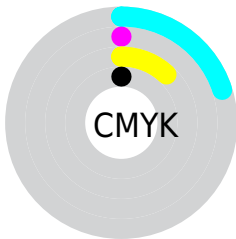
# Distribution



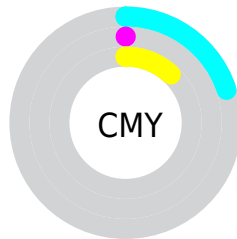
- Red (80%)
- Green (100%)
- Blue (88%)



- Red (80%)
- Yellow (95%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.1164, 89.7392, 83.9361 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 74.1164, 89.7392, 83.9361 by changing the saturation by 10% instead.




 74.1164, 89.7392,  
83.9361

 74.1164, 89.7392,  
83.9361


463.9191,  
527.1821, 528.1535

 55.1809, 67.7644,  
62.4176


124.0554,  
146.9761, 140.7467

 39.7810, 49.7061,  
44.9322


155.7897,  
183.0069, 176.8759

 27.5513, 35.1799,  
31.0615


192.5209,  
224.4918, 218.7124

 18.1264, 23.8015,  
20.3868

234.6145,  
271.8153, 266.6748

 11.1410, 15.1864,  
12.4897

282.4357,  
325.3617, 321.1815

 6.2298, 8.9503,  
6.9515

336.3500,

 3.0273, 4.7088,

385.5153, 382.6512

3.3538

396.7227,  
452.6607, 451.5024

■ 1.1682, 2.0774,  
1.2780

■ 0.0810, 0.6519,  
0.0437

■ 74.1164, 89.7392,  
83.9361

■ 74.1164, 89.7392,  
83.9361

■ 65.6826, 85.6233,  
73.0643

■ 83.8877, 94.5224,  
95.8737

■ 58.5232, 82.1429,  
63.2245

95.0500, 100.0000,  
108.9000

■ 52.5734, 79.2651,  
54.3873

■ 47.7616, 76.9537,  
46.5204

■ 44.0082, 75.1682,  
39.5897

■ 41.2224, 73.8627,  
33.5587

■ 39.2971, 72.9826,  
28.3884

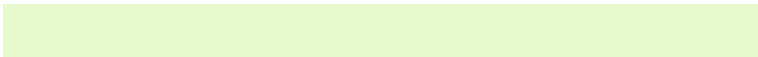
■ 38.0605, 72.4402,  
24.0344

■ 38.0605, 72.4402,  
24.0341

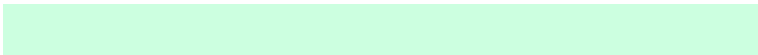
# Harmonies

## Analogous

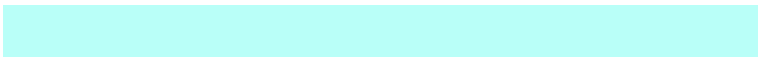
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.9090, 89.7392, 71.2420



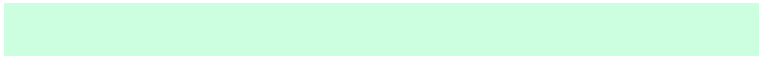
74.1164, 89.7392, 83.9361



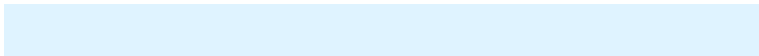
73.2462, 89.7392, 101.9952

# Triad

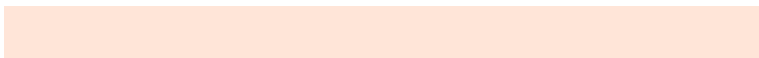
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.1164, 89.7392, 83.9361



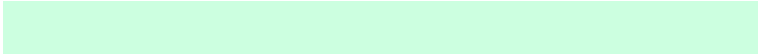
86.7776, 89.7392, 138.6547



95.9396, 89.7392, 77.4979

# Complementary

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



74.1164, 89.7392, 83.9361



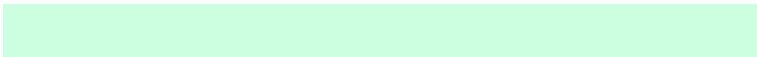
77.8287, 70.4448, 88.0923

# 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.



98.5963, 89.7392, 93.5480



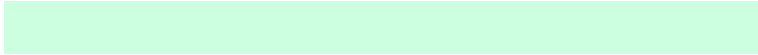
74.1164, 89.7392, 83.9361



93.1324, 89.7392, 130.0368

# Square

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



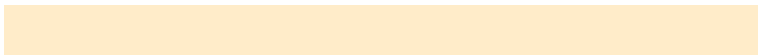
74.1164, 89.7392, 83.9361



80.3384, 89.7392, 135.2138



97.5433, 89.7392, 112.9155

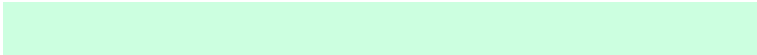


90.4502, 89.7392, 67.8752

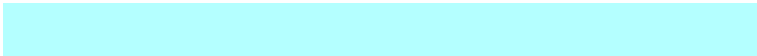


# Rectangle

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



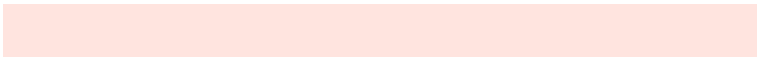
74.1164, 89.7392, 83.9361



74.3979, 89.7392, 115.0164



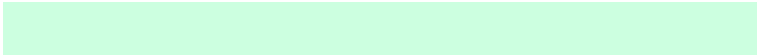
97.5433, 89.7392, 112.9155



97.2061, 89.7392, 82.2344

# Sweetspot

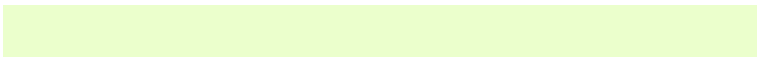
The Sweet Spot groups the original color and five complimentary colors.



74.1172, 89.7396, 83.9375



88.1820, 96.6282, 100.9512



81.0693, 93.6187, 70.9253



18.7212, 20.6072, 21.4276



0.0000, 0.0000, 0.0000

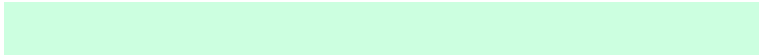


20.3446, 21.4041, 23.3091

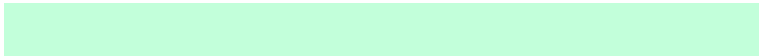


# Same Dimension

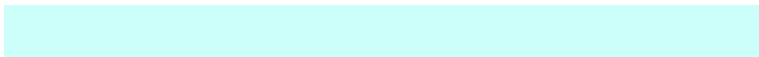
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.1172, 89.7396, 83.9375



70.5857, 88.0144, 79.4615



77.7691, 91.2003, 103.1682



18.0665, 20.2861, 20.6533



19.9555, 37.8788, 12.9168



1.9948, 3.7088, 1.5305



# Inverse Universe

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



77.8287, 70.4448, 88.0923



74.9110, 65.5241, 84.2997



74.4601, 69.0973, 70.3538



18.4732, 18.1726, 21.1091



24.7155, 12.3755, 17.6844

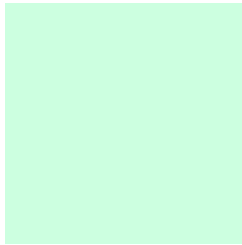


2.4602, 1.2264, 2.0048



# Previews

## White Background



This preview shows how the XYZ color 74.1164, 89.7392, 83.9361 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

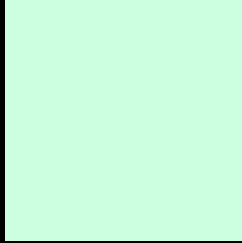
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.1164, 89.7392, 83.9361 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

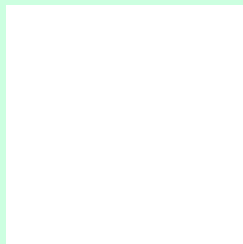
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.1164, 89.7392, 83.9361**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.1164, 89.7392, 83.9361.



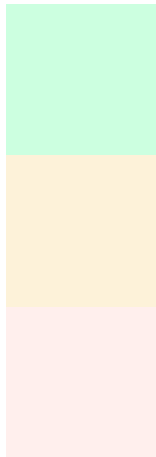
This preview shows how white text looks on a background with the XYZ color 74.1164, 89.7392,

83.9361.

# 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

74.1164, 89.7392, 83.9361

### Protanopia

84.7845, 89.3967, 78.4323

### Deuteranopia

87.3926, 89.1074, 92.7141



## **Tritanopia**

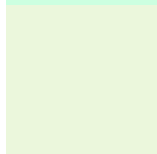
83.0155, 89.1828, 107.4464

# Trichromacy



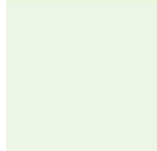
## Original Color

74.1164, 89.7392, 83.9361



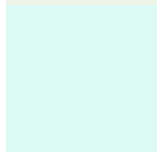
## Protanomaly

80.4400, 89.3510, 80.7170



## Deuteranomaly

81.8100, 88.9639, 89.2038



## Tritanomaly

79.7200, 89.4987, 98.6612

# Monochromacy



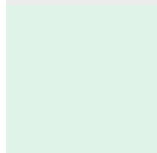
## Original Color

74.1164, 89.7392, 83.9361



## Achromatopsia

79.7278, 83.8799, 91.3452



## Achromatomaly

77.3565, 85.7747, 88.8230

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.1164, 89.7392, 83.9361 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(204, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 224)  
}
```

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(204, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 74.1164, 89.7392, 83.9361 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(204, 255, 224) }
```



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

```
.border{ border-color:rgb(204, 255, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 255, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.1164, 89.7392, 83.9361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 224) }
```

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

```
.background{ background-color: rgb(204,  
255, 224) }
```

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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