

# Converting Colors

XYZ(74.9210, 83.4838, 88.7243)

Have a look what the booklet for  
XYZ(74.9210, 83.4838, 88.7243)  
contains.

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# Color

**XYZ(74.9342, 83.6422,  
88.5390)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DAF1E8
RGB	218, 241, 232
RGB Percent	85%, 95%, 91%
CMY	0.1451, 0.0549, 0.0902
CMYK	0.10, 0.00, 0.04, 0.05
HSL	157°, 45%, 90%
HSV	157°, 10%, 95%
XYZ	74.9342, 83.6422, 88.5390
YIQ	233.0970, -10.8190, -7.6750

# Conversions

## Conversions Part 2

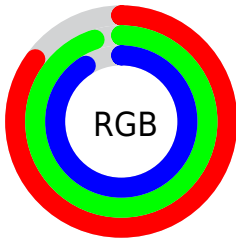
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	218, 232, 241
Decimal	14348776
CIE Lab	93.29, -9.20, 1.76
CIE LCh	93, 9.363, 169.144
Yxy	83.6422, 0.3032, 0.3385
Android (android.graphics.Color)	4292538856 (0xFFDAF1E8)
YUV	233.0970, -0.5408, -13.2401
Hunter-Lab	91.4561, -13.7949, 6.6204

# Details

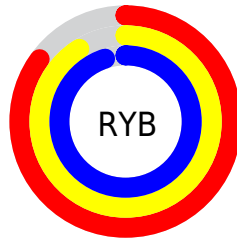
The XYZ color **74.9342, 83.6422, 88.5390** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.2152, 74.3918, 83.0717**, and the grayscale version is **77.5369, 81.5748, 88.8350**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.2897, 45.6190, 47.7562** is the 20% darker color. If you saturate the color by 10%, you get **66.9408, 79.6745, 81.3581**, and if you desaturate by 10%, it is **84.0521, 88.1860, 96.1515**.

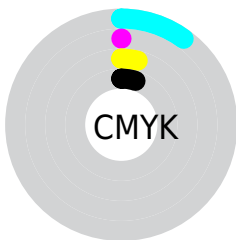
# Distribution



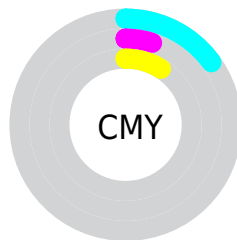
- Red (85%)
- Green (95%)
- Blue (91%)



- Red (85%)
- Yellow (91%)
- Blue (95%)



- Cyan (10%)
- Magenta (0%)
- Yellow (4%)
- Black (5%)



- Cyan (15%)
- Magenta (5%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.9342, 83.6422, 88.5390 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 74.9342, 83.6422, 88.5390 by changing the saturation by 10% instead.



74.9342, 83.6422,  
88.5390

74.9342, 83.6422,  
88.5390

466.6920,  
507.1243, 543.7137

55.8530, 62.7201,  
66.2027

125.2076,  
138.4746, 147.2251

40.3216, 45.6148,  
47.9794

157.1305,  
173.1536, 184.4119

27.9747, 31.9419,  
33.4507

194.0647,  
213.1870, 227.3859

18.4469, 21.3172,  
22.1980

236.3755,  
258.9593, 276.5658

11.3730, 13.3560,  
13.8028

284.4283,  
310.8547, 332.3699

6.3874, 7.6742,  
7.8464

338.5884,

3.1249, 3.8872,

369.2578, 395.2169

3.9105

399.2212,  
434.5529, 465.5253

■ 1.2202, 1.6106,  
1.5764

■ 0.1222, 0.3648,  
0.2739

■ 74.9342, 83.6422,  
88.5390

■ 74.9342, 83.6422,  
88.5390

■ 66.9408, 79.6745,  
81.3581

■ 84.0521, 88.1860,  
96.1515

■ 60.0189, 76.2486,  
74.5953

■ 90.0886, 91.1304,  
103.9992

■ 54.1211, 73.3427,  
68.2440

■ 90.7469, 91.3938,  
107.4656

■ 49.1943, 70.9293,  
62.2958

■ 45.1797, 68.9785,  
56.7416

■ 42.0124, 67.4569,  
51.5718

■ 39.6182, 66.3263,  
46.7765

■ 37.9091, 65.5415,  
42.3445

■ 36.7453, 65.0307,  
38.2624

# Harmonies

## Analogous

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



75.9677, 83.6422, 82.4768



74.9342, 83.6422, 88.5390



75.1048, 83.6422, 95.5971

# Triad

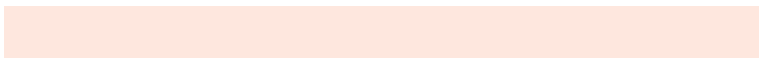
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.9342, 83.6422, 88.5390



81.0641, 83.6422, 104.5088



82.6408, 83.6422, 81.1850

# Complementary

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



74.9342, 83.6422, 88.5390



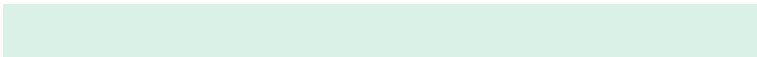
75.2152, 74.3918, 83.0717

# 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.



84.0622, 83.6422, 86.6922



74.9342, 83.6422, 88.5390



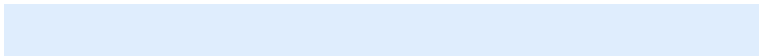
83.1389, 83.6422, 100.2448

# Square

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



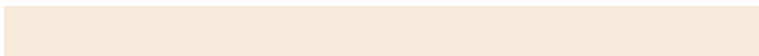
74.9342, 83.6422, 88.5390



78.6099, 83.6422, 105.0663



84.2464, 83.6422, 93.6531

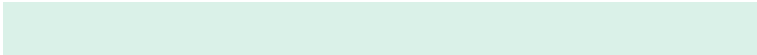


80.3956, 83.6422, 78.3792



# Rectangle

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



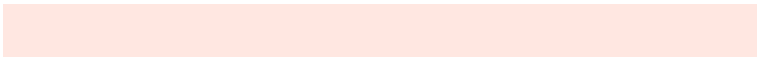
74.9342, 83.6422, 88.5390



75.8793, 83.6422, 99.9138



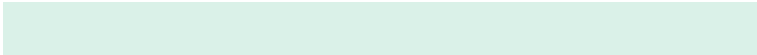
84.2464, 83.6422, 93.6531



83.2328, 83.6422, 82.7681

# Sweetspot

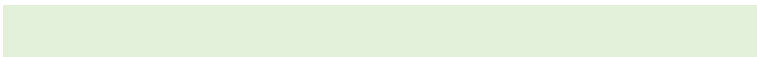
The Sweet Spot groups the original color and five complimentary colors.



74.9366, 83.6457, 88.5408



91.8129, 98.3865, 106.2517



75.8547, 84.3398, 78.6121



19.4709, 20.9686, 22.5924



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.



74.9366, 83.6457, 88.5408



83.7551, 94.3757, 99.4068



75.5721, 82.8173, 95.2255



15.9701, 17.8180, 18.8652



19.9676, 35.2791, 21.0102



1.7098, 2.9544, 2.0043



# Inverse Universe

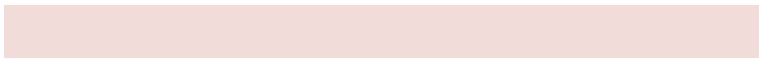
The Inverse Universe completely reimagines the original color for something new.



75.2152, 74.3918, 83.0717



84.1176, 82.3397, 92.2938



74.6051, 75.1089, 76.8962



16.0290, 15.8613, 17.7088



20.8367, 10.6071, 7.0564

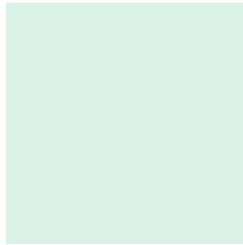


1.7809, 0.9014, 0.8370



# Previews

## White Background



This preview shows how the XYZ color 74.9342, 83.6422, 88.5390 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

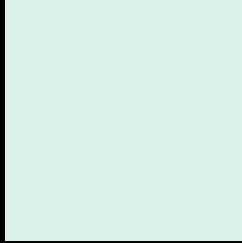
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.9342, 83.6422, 88.5390 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

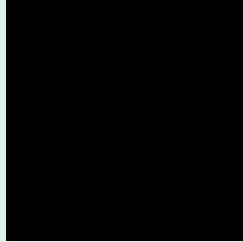
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

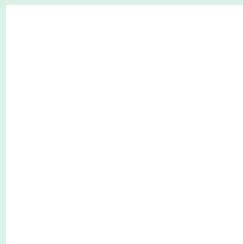
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.9342, 83.6422, 88.5390**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.9342, 83.6422, 88.5390.



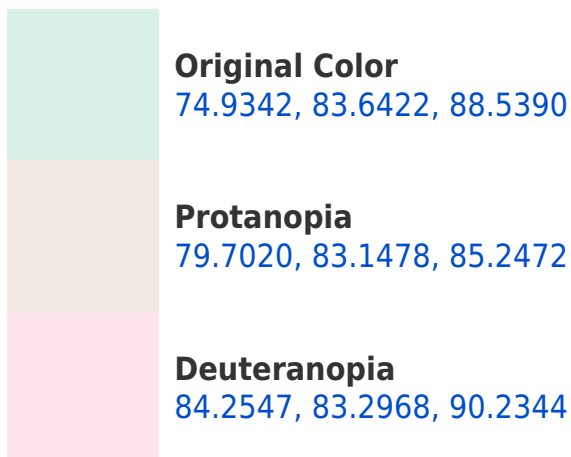
This preview shows how white text looks on a background with the XYZ color 74.9342, 83.6422,

88.5390.

# 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

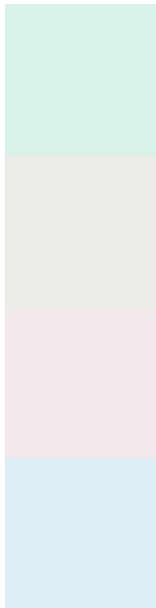




## Tritanopia

78.7656, 83.4763, 106.5689

# Trichromacy



## Original Color

74.9342, 83.6422, 88.5390

## Protanomaly

78.0313, 83.5492, 86.1426

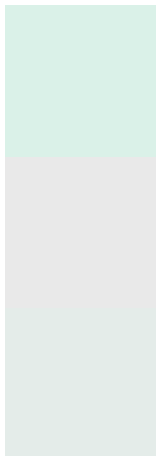
## Deuteranomaly

80.6081, 83.0956, 89.6324

## Tritanomaly

77.1818, 83.2366, 99.9940

# Monochromacy



## Original Color

74.9342, 83.6422, 88.5390

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

76.6983, 82.3681, 88.9470

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.9342, 83.6422, 88.5390 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(218, 241, 232) looks like.

```
.text, #text, p{  
    color:rgb(218, 241, 232)  
}
```

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(218, 241, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 241, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 74.9342, 83.6422, 88.5390 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(218, 241, 232) }
```



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

```
.border{ border-color:rgb(218, 241, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 241, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 241, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 241, 232);  
box-shadow:4px 4px 4px 4px rgb(218, 241,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.9342, 83.6422, 88.5390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 241, 232) }
```

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

```
.background{ background-color: rgb(218,  
241, 232) }
```

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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