

# Converting Colors

XYZ(74.6232, 83.2607, 88.3480)

Have a look what the booklet for  
XYZ(74.6232, 83.2607, 88.3480)  
contains.

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# Color

**XYZ(74.6390, 83.0518,  
88.4406)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAF0E8
RGB	218, 240, 232
RGB Percent	85%, 94%, 91%
CMY	0.1451, 0.0588, 0.0902
CMYK	0.09, 0.00, 0.03, 0.06
HSL	158°, 42%, 90%
HSV	158°, 9%, 94%
XYZ	74.6390, 83.0518, 88.4406
YIQ	232.5100, -10.5440, -7.1520

# Conversions

## Conversions Part 2

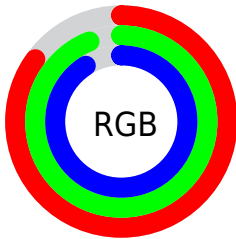
Format	Color
R <sub>YB</sub>	218, 231, 240
Decimal	14348520
CIE Lab	93.04, -8.69, 1.39
CIE LCh	93, 8.802, 170.925
Yxy	83.0518, 0.3032, 0.3374
Android (android.graphics.Color)	4292538600 (0xFFDAF0E8)
YUV	232.5100, -0.2514, -12.7253
Hunter-Lab	91.1328, -13.2883, 6.2544

# Details

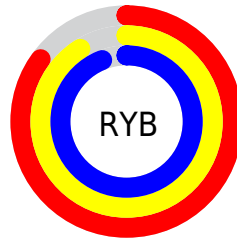
The XYZ color **74.6390, 83.0518, 88.4406** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.7371, 74.1612, 82.3309**, and the grayscale version is **77.0934, 81.1082, 88.3268**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.0812, 45.2021, 47.6867** is the 20% darker color. If you saturate the color by 10%, you get **66.7660, 79.1352, 81.7599**, and if you desaturate by 10%, it is **83.6175, 87.5358, 95.4981**.

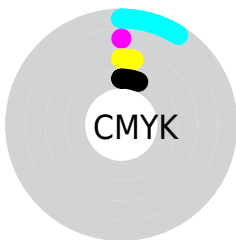
# Distribution



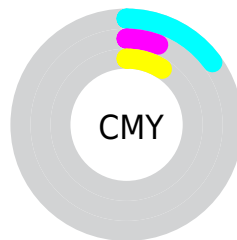
- Red (85%)
- Green (94%)
- Blue (91%)



- Red (85%)
- Yellow (91%)
- Blue (94%)



- Cyan (9%)
- Magenta (0%)
- Yellow (3%)
- Black (6%)



- Cyan (15%)
- Magenta (6%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.6390, 83.0518, 88.4406 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 74.6390, 83.0518, 88.4406 by changing the saturation by 10% instead.



74.6390, 83.0518,  
88.4406

74.6390, 83.0518,  
88.4406

465.6922,  
505.1591, 543.3837

55.6103, 62.2329,  
66.1216

124.7919,  
137.6480, 147.0869

40.1264, 45.2209,  
47.9140

156.6468,  
172.1941, 184.2514

27.8217, 31.6315,  
33.3993

193.5078,  
212.0847, 227.2014

18.3311, 21.0802,  
22.1589

235.7403,  
257.7042, 276.3555

11.2891, 13.1826,  
13.7743

283.7096,  
309.4370, 332.1322

6.3303, 7.5544,  
7.8269

337.7811,

3.0895, 3.8112,

367.6675, 394.9501

3.8982

398.3202,  
432.7801, 465.2278

■ 1.2013, 1.5685,  
1.5697

■ 0.1074, 0.3362,  
0.2690

■ 74.6390, 83.0518,  
88.4406

■ 74.6390, 83.0518,  
88.4406

■ 66.7660, 79.1352,  
81.7599

■ 83.6175, 87.5358,  
95.4981

■ 59.9463, 75.7522,  
75.4437

■ 89.5727, 90.4517,  
102.7386

■ 54.1334, 72.8814,  
69.4869

■ 90.4517, 90.8033,  
107.3672

■ 49.2750, 70.4958,  
63.8823

■ 45.3136, 68.5660,  
58.6221

■ 42.1853, 67.0590,  
53.6984

■ 39.8173, 65.9375,  
49.1024

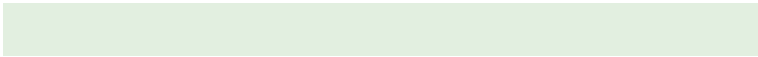
■ 38.1235, 65.1573,  
44.8249

■ 36.9721, 64.6504,  
40.8542

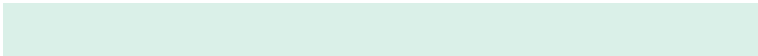
# Harmonies

## Analogous

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



75.5449, 83.0518, 82.6566



74.6390, 83.0518, 88.4406



74.8675, 83.0518, 95.0422

# Triad

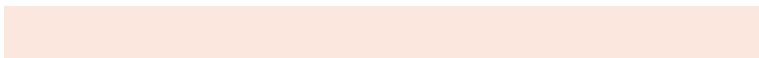
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.6390, 83.0518, 88.4406



80.5329, 83.0518, 102.8202



81.7671, 83.0518, 80.9223

# Complementary

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



74.6390, 83.0518, 88.4406



74.7371, 74.1612, 82.3309

# 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.



83.1539, 83.0518, 85.9681



74.6390, 83.0518, 88.4406



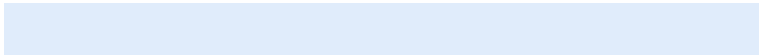
82.4317, 83.0518, 98.6746

# Square

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



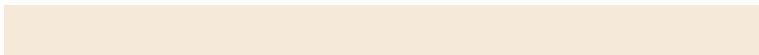
74.6390, 83.0518, 88.4406



78.2408, 83.0518, 103.5614



83.3995, 83.0518, 92.4476



79.6399, 83.0518, 78.4570



# Rectangle

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



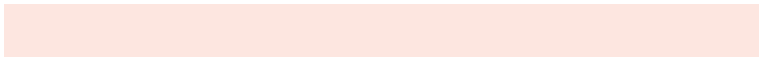
74.6390, 83.0518, 88.4406



75.6343, 83.0518, 99.0080



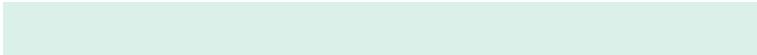
83.3995, 83.0518, 92.4476



82.3370, 83.0518, 82.3610

# Sweetspot

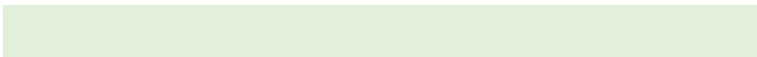
The Sweet Spot groups the original color and five complimentary colors.



74.6413, 83.0553, 88.4424



91.8465, 98.3999, 106.4284



75.2027, 83.5654, 78.4970



19.4799, 20.9723, 22.6401



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

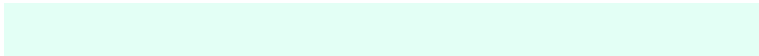


# Same Dimension

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



74.6413, 83.0553, 88.4424



83.8732, 94.4229, 100.0287



74.9478, 81.8071, 94.2824



15.9892, 17.8257, 18.9660



20.2576, 35.3951, 22.5374



1.7328, 2.9636, 2.1254



# Inverse Universe

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



74.7371, 74.1612, 82.3309



84.0038, 82.2942, 91.6949



74.4315, 75.2671, 76.9359



16.0104, 15.8539, 17.6111



20.6781, 10.5437, 6.2215

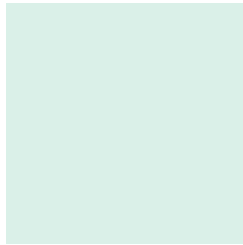


1.7664, 0.8956, 0.7607



# Previews

## White Background



This preview shows how the XYZ color 74.6390, 83.0518, 88.4406 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

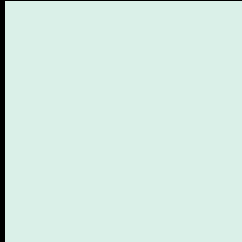
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.6390, 83.0518, 88.4406 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

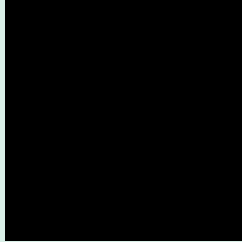
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

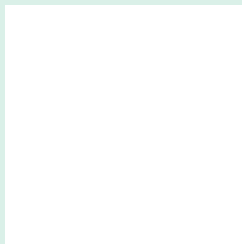
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.6390, 83.0518, 88.4406**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.6390, 83.0518, 88.4406.



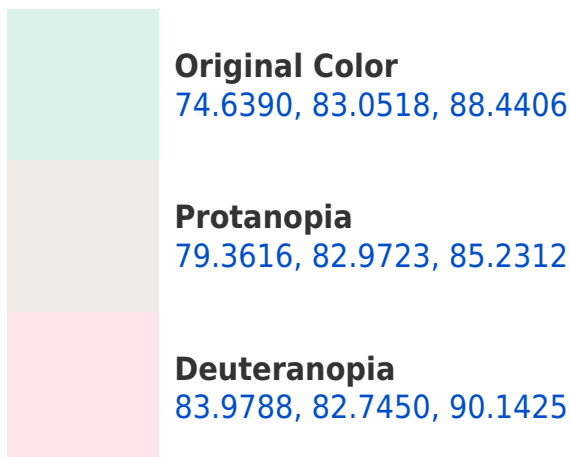
This preview shows how white text looks on a background with the XYZ color 74.6390, 83.0518,

88.4406.

# 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

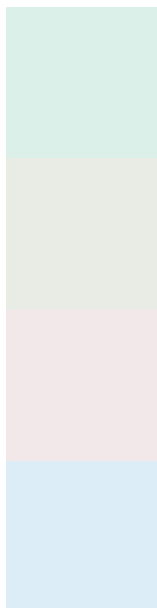




## Tritanopia

78.1697, 82.7405, 106.4583

# Trichromacy



## Original Color

74.6390, 83.0518, 88.4406

## Protanomaly

77.4170, 82.8039, 86.0312

## Deuteranomaly

80.3258, 82.5310, 89.5383

## Tritanomaly

76.8915, 82.6559, 99.8973

# Monochromacy



## Original Color

74.6390, 83.0518, 88.4406

## 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 74.6390, 83.0518, 88.4406 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, 240, 232) looks like.

```
.text, #text, p{  
    color:rgb(218, 240, 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, 240, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 240, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 74.6390, 83.0518, 88.4406 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, 240, 232) }
```



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

```
.border{ border-color:rgb(218, 240, 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, 240, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 240, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 240, 232);  
box-shadow:4px 4px 4px 4px rgb(218, 240,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.6390, 83.0518, 88.4406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 240, 232) }
```

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

```
.background{ background-color: rgb(218,  
240, 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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