

# Converting Colors

XYZ(74.0829, 82.2016, 78.5022)

Have a look what the booklet for  
XYZ(74.0829, 82.2016, 78.5022)  
contains.

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# Color

**XYZ(73.9699, 82.0583,  
78.2699)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0EEDA
RGB	224, 238, 218
RGB Percent	88%, 93%, 85%
CMY	0.1216, 0.0666, 0.1451
CMYK	0.06, 0.00, 0.08, 0.07
HSL	102°, 37%, 89%
HSV	102°, 8%, 93%
XYZ	73.9699, 82.0583, 78.2699
YIQ	231.5340, -1.9240, -9.1880

# Conversions

## Conversions Part 2

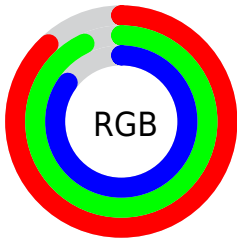
Format	Color
R <sub>Y</sub> B	218, 238, 232
Decimal	14741210
CIE Lab	92.60, -8.19, 8.08
CIE LCh	93, 11.509, 135.391
Yxy	82.0583, 0.3157, 0.3502
Android (android.graphics.Color)	4292931290 (0xFFE0EEDA)
YUV	231.5340, -6.6723, -6.6073
Hunter-Lab	90.5860, -12.7677, 12.1813

# Details

The XYZ color **73.9699, 82.0583, 78.2699** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.7859, 73.4739, 91.1861**, and the grayscale version is **76.4047, 80.3837, 87.5379**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.7010, 44.5353, 41.1540** is the 20% darker color. If you saturate the color by 10%, you get **66.1634, 78.3707, 62.7974**, and if you desaturate by 10%, it is **82.7344, 86.1928, 96.1252**.

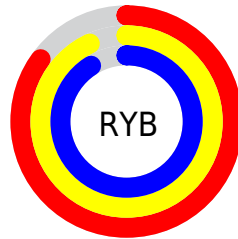
# Distribution



Red (88%)

Green (93%)

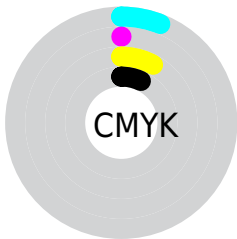
Blue (85%)



Red (85%)

Yellow (93%)

Blue (91%)

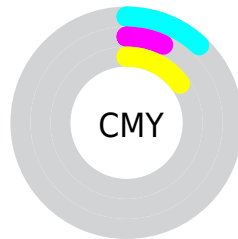


Cyan (6%)

Magenta (0%)

Yellow (8%)

Black (7%)



Cyan (12%)

Magenta (7%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.9699, 82.0583, 78.2699 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 73.9699, 82.0583, 78.2699 by changing the saturation by 10% instead.



73.9699, 82.0583,  
78.2699

73.9699, 82.0583,  
78.2699

463.4214,  
501.8427, 508.6351

55.0606, 61.4136,  
57.7780

123.8489,  
136.2558, 132.7199

39.6843, 44.5590,  
41.2166

155.5492,  
170.5773, 167.5149

27.4756, 31.1102,  
28.1674

192.2440,  
210.2266, 207.9148

18.0691, 20.6828,  
18.2118

234.2986,  
255.5880, 254.3381

11.0996, 12.8923,  
10.9311

282.0782,  
307.0459, 307.2032

6.2017, 7.3545,  
5.9069

335.9483,

3.0099, 3.6847,

364.9847, 366.9287

2.7207

396.2743,  
429.7888, 433.9332

■ 1.1590, 1.4988,  
0.9538

■ 0.0736, 0.2879,  
0.0000

■ 73.9699, 82.0583,  
78.2699

■ 73.9699, 82.0583,  
78.2699

■ 66.1634, 78.3707,  
62.7974

■ 82.7344, 86.1928,  
96.1252

■ 59.2745, 75.1043,  
49.6017

■ 89.8661, 89.6323,  
107.1720

■ 53.2701, 72.2467,  
38.5769

■ 48.1123, 69.7809,  
29.6065

■ 43.7601, 67.6887,  
22.5630

■ 40.1692, 65.9502,  
17.3048

■ 37.2900, 64.5433,  
13.6709

■ 35.0662, 63.4433,  
11.4711

■ 33.4242, 62.6181,  
10.4339

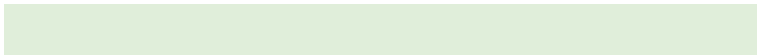
# Harmonies

## Analogous

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



76.4772, 82.0583, 74.3861



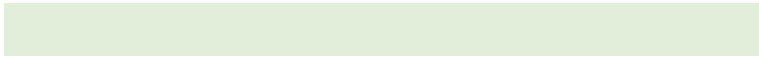
73.9699, 82.0583, 78.2699



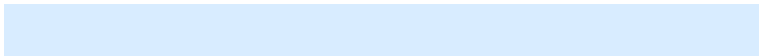
72.5588, 82.0583, 85.2562

# Triad

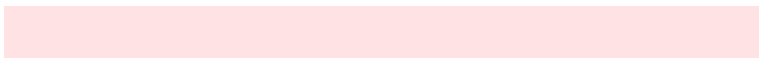
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.9699, 82.0583, 78.2699



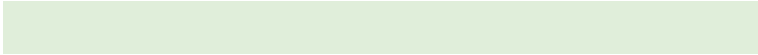
76.5520, 82.0583, 106.2568



83.6727, 82.0583, 85.0461

# Complementary

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



73.9699, 82.0583, 78.2699



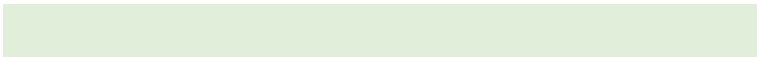
73.7859, 73.4739, 91.1861

# 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.



83.6940, 82.0583, 93.5677



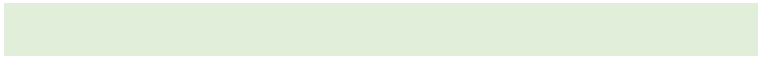
73.9699, 82.0583, 78.2699



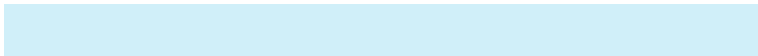
79.5307, 82.0583, 106.1915

# Square

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



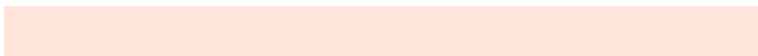
73.9699, 82.0583, 78.2699



74.0234, 82.0583, 101.5969



82.1614, 82.0583, 101.4240

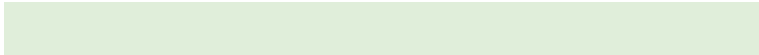


82.1040, 82.0583, 78.1246



# Rectangle

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



73.9699, 82.0583, 78.2699



72.4059, 82.0583, 90.9042



82.1614, 82.0583, 101.4240



83.8624, 82.0583, 87.8087

# Sweetspot

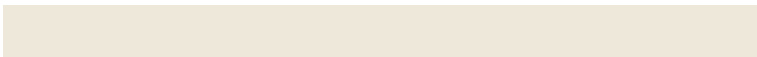
The Sweet Spot groups the original color and five complimentary colors.



73.9722, 82.0618, 78.2717



91.8996, 98.5154, 102.4509



76.7747, 80.9558, 77.9105



19.4938, 21.0031, 21.5691



0.0000, 0.0000, 0.0000

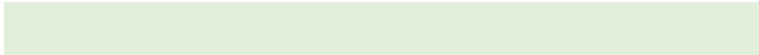


20.3446, 21.4041, 23.3091

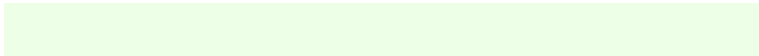


# Same Dimension

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



73.9722, 82.0618, 78.2717



84.9473, 95.2351, 88.4003



72.6753, 81.3320, 80.9773



16.0116, 17.8861, 16.7582



18.6367, 34.9291, 5.7597



1.6471, 2.9556, 0.4837



# Inverse Universe

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



73.7859, 73.4739, 91.1861



84.6899, 83.3739, 106.2369



75.1856, 74.2626, 88.2169



15.9659, 15.7796, 19.9259



17.5925, 8.0747, 45.7592

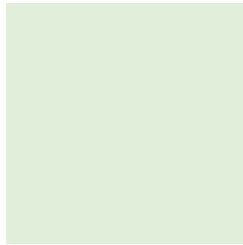


1.5634, 0.7232, 3.8114



# Previews

## White Background



This preview shows how the XYZ color 73.9699, 82.0583, 78.2699 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

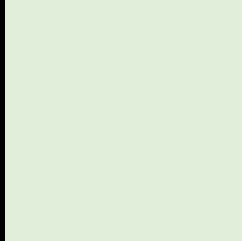
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.9699, 82.0583, 78.2699 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

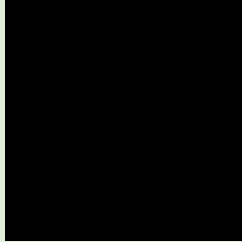
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

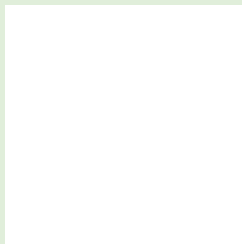
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.9699, 82.0583, 78.2699**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.9699, 82.0583, 78.2699.



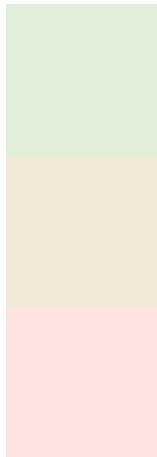
This preview shows how white text looks on a background with the XYZ color 73.9699, 82.0583,



# 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

73.9699, 82.0583, 78.2699

### Protanopia

78.0226, 82.0614, 76.0172

### Deuteranopia

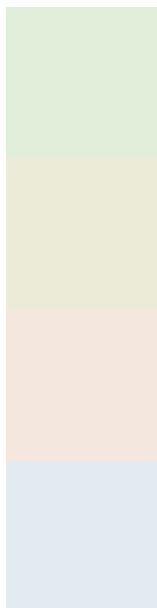
82.1636, 81.5800, 81.9370



## Tritanopia

79.0227, 81.9641, 103.7512

# Trichromacy



## Original Color

73.9699, 82.0583, 78.2699

## Protanomaly

76.3640, 82.0367, 76.7756

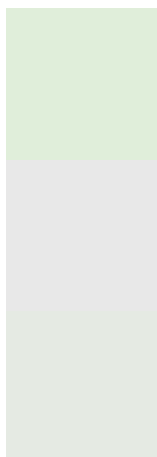
## Deuteranomaly

79.0690, 81.6589, 80.7016

## Tritanomaly

77.1151, 82.0388, 94.2088

# Monochromacy



## Original Color

73.9699, 82.0583, 78.2699

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

75.6010, 81.0497, 84.3326

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.9699, 82.0583, 78.2699 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(224, 238, 218)` looks like.

```
.text, #text, p{  
    color:rgb(224, 238, 218)  
}
```

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(224, 238, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 238, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 73.9699, 82.0583, 78.2699 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(224, 238, 218) }
```



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

```
.border{ border-color:rgb(224, 238, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 238, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 238, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 238, 218);  
box-shadow:4px 4px 4px 4px rgb(224, 238,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.9699, 82.0583, 78.2699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 238, 218) }
```

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

```
.background{ background-color: rgb(224,  
238, 218) }
```

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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