

# Converting Colors

XYZ(74.8302, 83.3065, 87.9198)

Have a look what the booklet for  
XYZ(74.8302, 83.3065, 87.9198)  
contains.

<b>XYZ(74.7973, 83.1498, 87.7086)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(74.7973, 83.1498,  
87.7086)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DBF0E7
RGB	219, 240, 231
RGB Percent	86%, 94%, 91%
CMY	0.1412, 0.0588, 0.0941
CMYK	0.09, 0.00, 0.04, 0.06
HSL	154°, 41%, 90%
HSV	154°, 9%, 94%
XYZ	74.7973, 83.1498, 87.7086
YIQ	232.6950, -9.6270, -7.2510

# Conversions

## Conversions Part 2

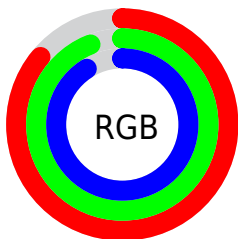
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	219, 232, 240
Decimal	14414055
CIE Lab	93.08, -8.55, 1.98
CIE LCh	93, 8.777, 166.972
Yxy	83.1498, 0.3045, 0.3385
Android (android.graphics.Color)	4292604135 (0xFFDBF0E7)
YUV	232.6950, -0.8356, -12.0105
Hunter-Lab	91.1865, -13.1587, 6.8019

# Details

The XYZ color **74.7973, 83.1498, 87.7086** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.2733, 74.7918, 83.8716**, and the grayscale version is **77.2360, 81.2583, 88.4903**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.1882, 45.2686, 47.1770** is the 20% darker color. If you saturate the color by 10%, you get **66.6806, 79.1308, 79.9659**, and if you desaturate by 10%, it is **84.0451, 87.7467, 95.9536**.

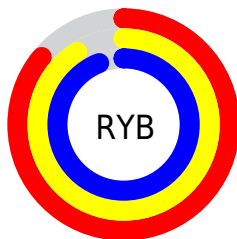
# Distribution



Red (86%)

Green (94%)

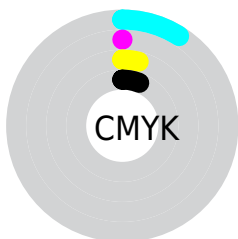
Blue (91%)



Red (86%)

Yellow (91%)

Blue (94%)

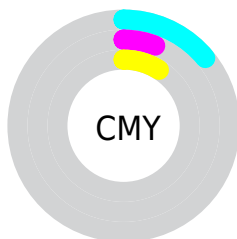


Cyan (9%)

Magenta (0%)

Yellow (4%)

Black (6%)



Cyan (14%)

Magenta (6%)


Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.7973, 83.1498, 87.7086 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 74.7973, 83.1498, 87.7086 by changing the saturation by 10% instead.




 74.7973, 83.1498,  
87.7086

 74.7973, 83.1498,  
87.7086


466.2285,  
505.4856, 540.9250

 55.7404, 62.3137,  
65.5188


125.0148,  
137.7852, 146.0590

 40.2310, 45.2863,  
47.4279


156.9062,  
172.3534, 183.0566

 27.9037, 31.6830,  
33.0173


193.8065,  
212.2678, 225.8273

 18.3932, 21.1195,  
21.8684

236.0810,  
257.9126, 274.7895

 11.3340, 13.2113,  
13.5629

284.0951,  
309.6725, 330.3619

 6.3609, 7.5742,  
7.6820

338.2141,

 3.1085, 3.8237,

367.9317, 392.9629

3.8073

398.8035,  
433.0746, 463.0111

■ 1.2114, 1.5755,  
1.5202

■ 0.1153, 0.3410,  
0.2329

■ 74.7973, 83.1498,  
87.7086

■ 74.7973, 83.1498,  
87.7086

■ 66.6806, 79.1308,  
79.9659

■ 84.0451, 87.7467,  
95.9536

■ 59.6423, 75.6557,  
72.7104

■ 89.9056, 90.5850,  
104.4916

■ 53.6356, 72.7030,  
65.9337

■ 90.4517, 90.8034,  
107.3672

■ 48.6077, 70.2454,  
59.6253

■ 44.5006, 68.2534,  
53.7743

■ 41.2502, 66.6940,  
48.3692

■ 38.7834, 65.5298,  
43.3979

■ 37.0141, 64.7166,  
38.8471

■ 35.8162, 64.1895,  
34.7017

# Harmonies

## Analogous

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



75.8399, 83.1498, 82.1593



74.7973, 83.1498, 87.7086



74.8733, 83.1498, 94.2868

# Triad

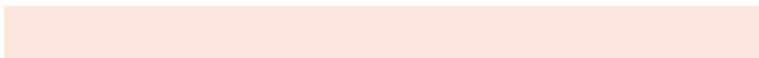
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.7973, 83.1498, 87.7086



80.3304, 83.1498, 103.2087



82.0901, 83.1498, 81.5823

# Complementary

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



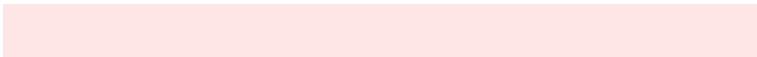
74.7973, 83.1498, 87.7086



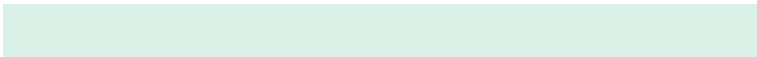
75.2733, 74.7918, 83.8716

# 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.



83.3406, 83.1498, 86.8860



74.7973, 83.1498, 87.7086



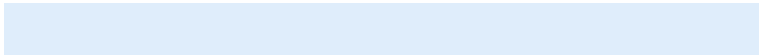
82.3112, 83.1498, 99.4636

# Square

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



74.7973, 83.1498, 87.7086



78.0379, 83.1498, 103.4554



83.4223, 83.1498, 93.4235



80.0333, 83.1498, 78.7396



# Rectangle

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



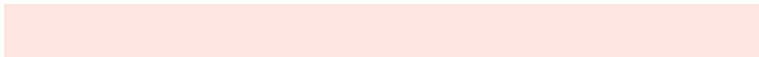
74.7973, 83.1498, 87.7086



75.5479, 83.1498, 98.3755



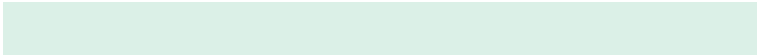
83.4223, 83.1498, 93.4235



82.6204, 83.1498, 83.1245

# Sweetspot

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



74.7996, 83.1533, 87.7104



91.7678, 98.3684, 106.0139



75.9758, 83.9488, 79.2183



19.4587, 20.9638, 22.5281



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.



74.7996, 83.1533, 87.7104



83.5968, 94.3124, 98.5730



75.6939, 82.8540, 94.4452



15.9444, 17.8078, 18.7299



19.6020, 35.1328, 19.0849



1.6804, 2.9426, 1.8496



# Inverse Universe

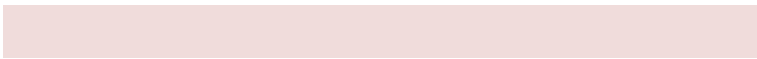
The Inverse Universe completely reimagines the original color for something new.



75.2733, 74.7918, 83.8716



84.2716, 82.4013, 93.1048



74.4222, 75.0384, 77.5803



16.0541, 15.8713, 17.8409



21.0720, 10.7012, 8.2956

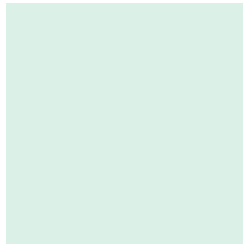


1.8019, 0.9098, 0.9474



# Previews

## White Background



This preview shows how the XYZ color 74.7973, 83.1498, 87.7086 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

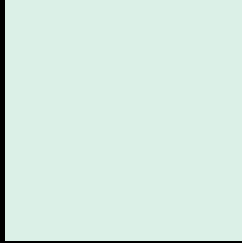
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.7973, 83.1498, 87.7086 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

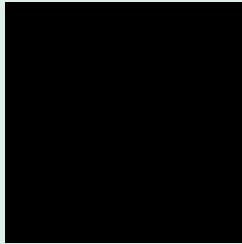
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

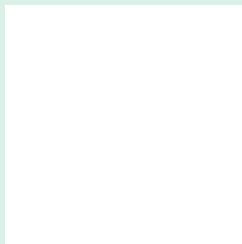
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.7973, 83.1498, 87.7086**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.7973, 83.1498, 87.7086.



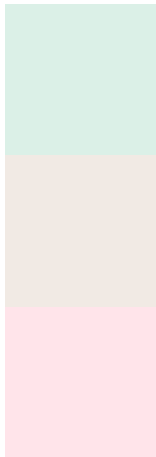
This preview shows how white text looks on a background with the XYZ color 74.7973, 83.1498,

87.7086.

# 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

74.7973, 83.1498, 87.7086

### Protanopia

79.7020, 83.1478, 85.2472

### Deuteranopia

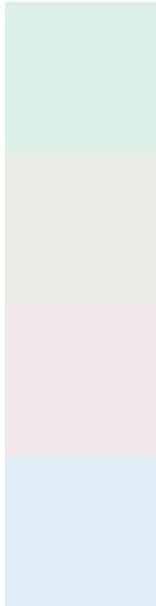
83.8347, 82.6873, 89.3836



## Tritanopia

78.4769, 82.8989, 106.4727

# Trichromacy



## Original Color

74.7973, 83.1498, 87.7086

## Protanomaly

77.7426, 82.9717, 86.0464

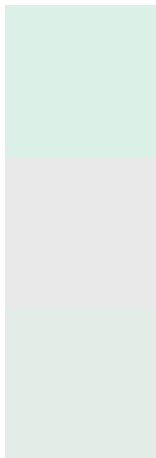
## Deuteranomaly

80.1825, 82.4737, 88.7837

## Tritanomaly

77.0429, 82.7518, 99.1009

# Monochromacy



## Original Color

74.7973, 83.1498, 87.7086

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

76.5558, 82.3111, 88.1966

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.7973, 83.1498, 87.7086 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(219, 240, 231) looks like.

```
.text, #text, p{  
    color:rgb(219, 240, 231)  
}
```

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(219, 240, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 240, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 74.7973, 83.1498, 87.7086 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(219, 240, 231) }
```



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

```
.border{ border-color:rgb(219, 240, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 240, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 240, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 240, 231);  
box-shadow:4px 4px 4px 4px rgb(219, 240,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.7973, 83.1498, 87.7086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 240, 231) }
```

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

```
.background{ background-color: rgb(219,  
240, 231) }
```

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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