

# Converting Colors

XYZ(73.7790, 82.6733, 85.4678)

Have a look what the booklet for  
XYZ(73.7790, 82.6733, 85.4678)  
contains.

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# Color

**XYZ(73.7790, 82.6733,  
85.4678)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9F0E4
RGB	217, 240, 228
RGB Percent	85%, 94%, 89%
CMY	0.1490, 0.0588, 0.1059
CMYK	0.10, 0.00, 0.05, 0.06
HSL	149°, 43%, 90%
HSV	149°, 10%, 94%
XYZ	73.7790, 82.6733, 85.4678
YIQ	231.7550, -9.8560, -8.6080

# Conversions

## Conversions Part 2

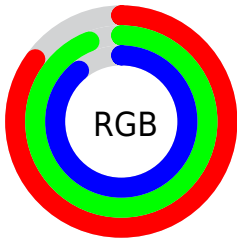
Format	Color
R <sub>Y</sub> B	217, 233, 240
Decimal	14282980
CIE Lab	92.87, -9.76, 3.22
CIE LCh	93, 10.272, 161.749
Yxy	82.6733, 0.3050, 0.3417
Android (android.graphics.Color)	4292473060 (0xFFD9F0E4)
YUV	231.7550, -1.8512, -12.9401
Hunter-Lab	90.9249, -14.2786, 7.9158

# Details

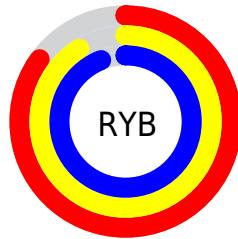
The XYZ color **73.7790, 82.6733, 85.4678** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.8939, 73.8103, 84.4322**, and the grayscale version is **76.5392, 80.5252, 87.6919**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.5836, 44.9795, 46.1308** is the 20% darker color. If you saturate the color by 10%, you get **65.4816, 78.5918, 76.3310**, and if you desaturate by 10%, it is **83.2445, 87.3470, 95.3203**.

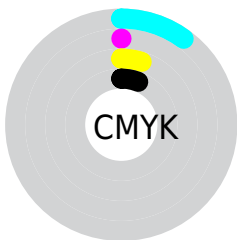
# Distribution



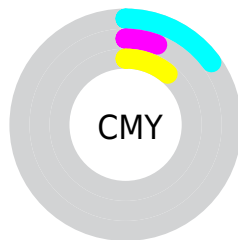
- Red (85%)
- Green (94%)
- Blue (89%)



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



- Cyan (10%)
- Magenta (0%)
- Yellow (5%)
- Black (6%)



- Cyan (15%)
- Magenta (6%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.7790, 82.6733, 85.4678 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 73.7790, 82.6733, 85.4678 by changing the saturation by 10% instead.



73.7790, 82.6733,  
85.4678

73.7790, 82.6733,  
85.4678

462.7724,  
503.8971, 533.3596

54.9038, 61.9207,  
63.6756

123.5797,  
137.1178, 142.9065

39.5583, 44.9686,  
45.9435

155.2358,  
171.5785, 179.3902

27.3770, 31.4327,  
31.8529

191.8831,  
211.3773, 221.6080

17.9946, 20.9286,  
20.9853

233.8867,  
256.8986, 269.9787

11.0458, 13.0718,  
12.9221

281.6121,  
308.5268, 324.9206

6.1651, 7.4780,  
7.2448

335.4246,

2.9874, 3.7628,

366.6464, 386.8524

3.5349

395.6896,  
431.6417, 456.1925

■ 1.1471, 1.5418,  
1.3738

■ 0.0640, 0.3179,  
0.1212

■ 73.7790, 82.6733,  
85.4678

■ 73.7790, 82.6733,  
85.4678

■ 65.4816, 78.5918,  
76.3310

■ 83.2445, 87.3470,  
95.3203

■ 58.2980, 75.0680,  
67.8882

■ 90.1391, 90.6783,  
105.7216

■ 52.1801, 72.0796,  
60.1247

■ 90.4516, 90.8033,  
107.3672

■ 47.0733, 69.5988,  
53.0232

■ 42.9178, 67.5952,  
46.5654

■ 39.6473, 66.0349,  
40.7323

■ 37.1865, 64.8795,  
35.5038

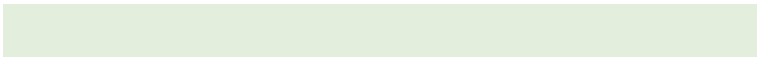
■ 35.4463, 64.0834,  
30.8581

■ 34.2852, 63.5741,  
26.7705

# Harmonies

## Analogous

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



75.1923, 82.6733, 79.4355



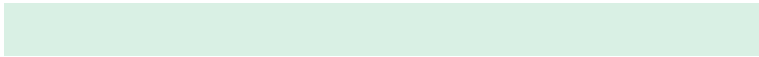
73.7790, 82.6733, 85.4678



73.6339, 82.6733, 93.0602

# Triad

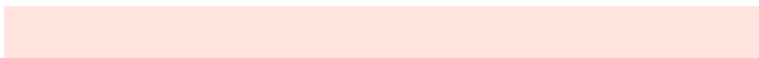
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.7790, 82.6733, 85.4678



79.6340, 82.6733, 105.2751



82.4916, 82.6733, 80.5307

# Complementary

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



73.7790, 82.6733, 85.4678



74.8939, 73.8103, 84.4322

# 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.



83.7397, 82.6733, 87.0412



73.7790, 82.6733, 85.4678



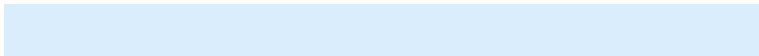
82.0649, 82.6733, 101.4992

# Square

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



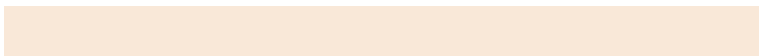
73.7790, 82.6733, 85.4678



76.9735, 82.6733, 104.7944



83.5817, 82.6733, 94.7252

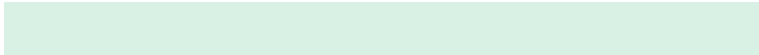


80.2056, 82.6733, 76.6988



# Rectangle

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



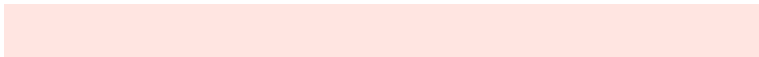
73.7790, 82.6733, 85.4678



74.2716, 82.6733, 98.0198



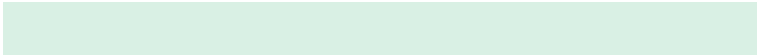
83.5817, 82.6733, 94.7252



83.0487, 82.6733, 82.4624

# Sweetspot

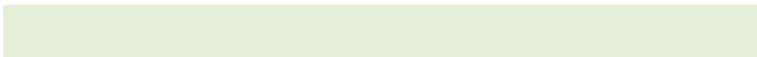
The Sweet Spot groups the original color and five complimentary colors.



73.7813, 82.6768, 85.4696



91.6552, 98.3234, 105.4211



76.0857, 84.0356, 77.8573



19.4283, 20.9516, 22.3682



0.0000, 0.0000, 0.0000

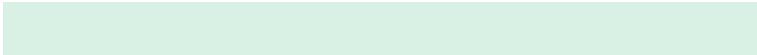


20.3446, 21.4041, 23.3091

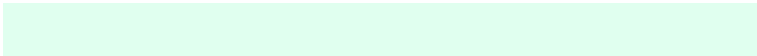


# Same Dimension

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



73.7813, 82.6768, 85.4696



82.2094, 93.6652, 95.4328



75.3927, 83.3214, 93.9552



15.8807, 17.7823, 18.3946



18.8105, 34.8162, 14.9168



1.6148, 2.9164, 1.5042



# Inverse Universe

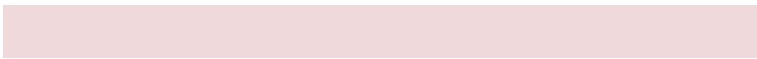
The Inverse Universe completely reimagines the original color for something new.



74.8939, 73.8103, 84.4322



83.7861, 81.0997, 93.9624



73.3750, 73.2028, 76.4334



16.1173, 15.8966, 18.1740



21.7738, 10.9820, 11.9915

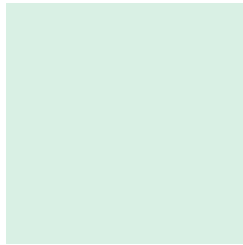


1.8617, 0.9337, 1.2623



# Previews

## White Background



This preview shows how the XYZ color 73.7790, 82.6733, 85.4678 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

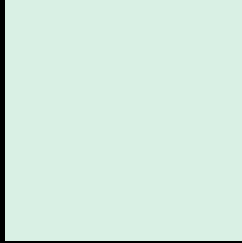
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.7790, 82.6733, 85.4678 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

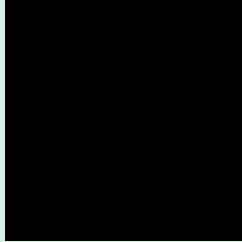
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

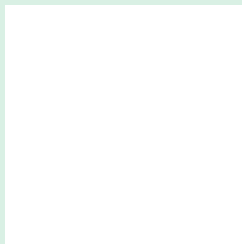
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.7790, 82.6733, 85.4678**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.7790, 82.6733, 85.4678.



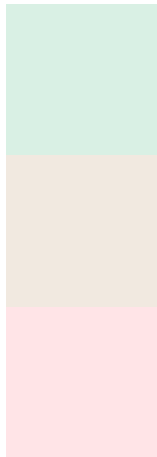
This preview shows how white text looks on a background with the XYZ color 73.7790, 82.6733,

85.4678.

# 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

73.7790, 82.6733, 85.4678

### Protanopia

78.8691, 82.3604, 82.2613

### Deuteranopia

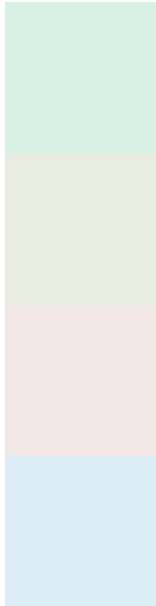
83.4072, 82.5163, 87.1325



## Tritanopia

77.8642, 82.5831, 106.4440

# Trichromacy



## Original Color

73.7790, 82.6733, 85.4678

## Protanomaly

76.8648, 82.5830, 83.1231

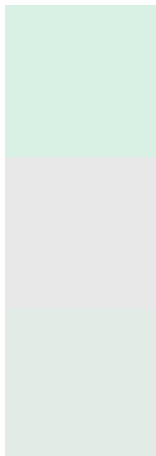
## Deuteranomaly

79.4152, 82.1272, 86.5294

## Tritanomaly

76.2808, 82.3766, 98.2660

# Monochromacy



## Original Color

73.7790, 82.6733, 85.4678

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

75.8107, 81.5171, 87.3400

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.7790, 82.6733, 85.4678 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(217, 240, 228) looks like.

```
.text, #text, p{  
    color:rgb(217, 240, 228)  
}
```

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(217, 240, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 240, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 73.7790, 82.6733, 85.4678 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(217, 240, 228) }
```



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

```
.border{ border-color:rgb(217, 240, 228) }
```

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

Here you see how a box with a 4 pixel rgb(217, 240, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 240, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 240, 228);  
box-shadow:4px 4px 4px 4px rgb(217, 240,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.7790, 82.6733, 85.4678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 240, 228) }
```

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

```
.background{ background-color: rgb(217,  
240, 228) }
```

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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