

# Converting Colors

XYZ(73.8766, 83.5914, 86.3495)

Have a look what the booklet for  
XYZ(73.8766, 83.5914, 86.3495)  
contains.

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# Color

**XYZ(73.9193, 83.6085,  
86.3708)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7F2E5
RGB	215, 242, 229
RGB Percent	84%, 95%, 90%
CMY	0.1569, 0.0510, 0.1020
CMYK	0.11, 0.00, 0.05, 0.05
HSL	151°, 51%, 90%
HSV	151°, 11%, 95%
XYZ	73.9193, 83.6085, 86.3708
YIQ	232.4450, -11.9190, -9.7670

# Conversions

## Conversions Part 2

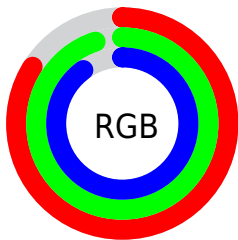
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	215, 233, 242
Decimal	14152421
CIE Lab	93.28, -11.23, 3.27
CIE LCh	93, 11.695, 163.740
Yxy	83.6085, 0.3031, 0.3428
Android (android.graphics.Color)	4292342501 (0xFFD7F2E5)
YUV	232.4450, -1.6984, -15.2993
Hunter-Lab	91.4377, -15.7144, 8.0018

# Details

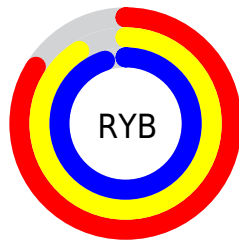
The XYZ color **73.9193, 83.6085, 86.3708** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.9250, 73.0816, 83.5599**, and the grayscale version is **77.0558, 81.0688, 88.2839**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.6961, 45.6474, 46.7630** is the 20% darker color. If you saturate the color by 10%, you get **65.7593, 79.5859, 77.7789**, and if you desaturate by 10%, it is **83.2444, 88.2237, 95.5910**.

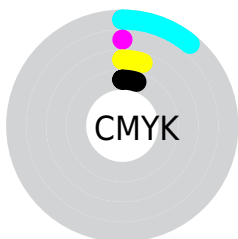
# Distribution



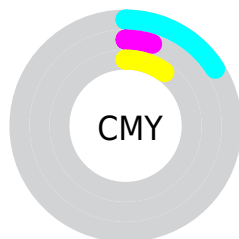
- Red (84%)
- Green (95%)
- Blue (90%)



- Red (84%)
- Yellow (91%)
- Blue (95%)



- Cyan (11%)
- Magenta (0%)
- Yellow (5%)
- Black (5%)



- Cyan (16%)
- Magenta (5%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.9193, 83.6085, 86.3708 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 73.9193, 83.6085, 86.3708 by changing the saturation by 10% instead.



73.9193, 83.6085,  
86.3708

73.9193, 83.6085,  
86.3708

463.2494,  
507.0123, 536.4155

55.0190, 62.6923,  
64.4180

123.7775,  
138.4274, 144.1779

39.6509, 45.5923,  
46.5410

155.4662,  
173.0988, 180.8693

27.4494, 31.9242,  
32.3212

192.1484,  
213.1241, 223.3107

18.0494, 21.3036,  
21.3401

234.1894,  
258.8877, 271.9205

11.0853, 13.3461,  
13.1792

281.9547,  
310.7739, 327.1174

6.1920, 7.6673,  
7.4199

335.8095,

3.0039, 3.8828,

369.1671, 389.3198

3.6436

396.1193,  
434.4518, 458.9463

■ 1.1558, 1.6082,  
1.4320

■ 0.0711, 0.3631,  
0.1665

■ 73.9193, 83.6085,  
86.3708

■ 73.9193, 83.6085,  
86.3708

■ 65.7593, 79.5859,  
77.7789

■ 83.2444, 88.2237,  
95.5910

■ 58.7093, 76.1209,  
69.7964

■ 90.6135, 91.8154,  
105.2989

■ 52.7200, 73.1906,  
62.4113

■ 91.0437, 91.9875,  
107.5646

■ 47.7356, 70.7664,  
55.6091

■ 43.6950, 68.8172,  
49.3747

■ 40.5299, 67.3080,  
43.6924

■ 38.1623, 66.1990,  
38.5453

■ 36.4992, 65.4424,  
33.9154

■ 35.4854, 65.0001,  
30.2350

# Harmonies

## Analogous

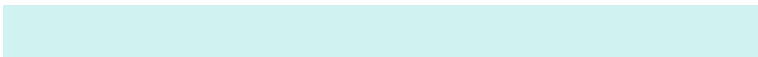
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.4448, 83.6085, 79.3287



73.9193, 83.6085, 86.3708



73.8551, 83.6085, 95.1214

# Triad

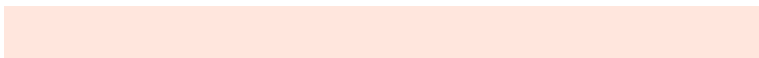
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.9193, 83.6085, 86.3708



80.8815, 83.6085, 108.5154



83.8211, 83.6085, 79.8108

# Complementary

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



73.9193, 83.6085, 86.3708



74.9250, 73.0816, 83.5599

# 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.



85.3570, 83.6085, 87.0682



73.9193, 83.6085, 86.3708



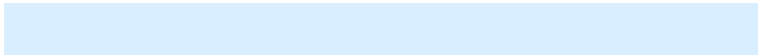
83.6305, 83.6085, 103.8407

# Square

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



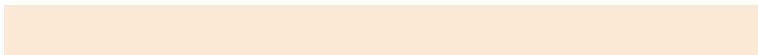
73.9193, 83.6085, 86.3708



77.8215, 83.6085, 108.2985



85.2863, 83.6085, 95.8651



81.1363, 83.6085, 75.7119

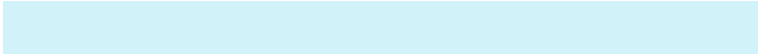


# Rectangle

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



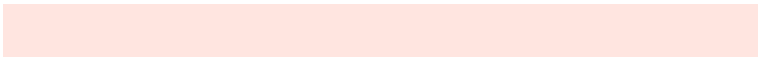
73.9193, 83.6085, 86.3708



74.6461, 83.6085, 100.7794



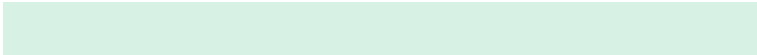
85.2863, 83.6085, 95.8651



84.4919, 83.6085, 81.9408

# Sweetspot

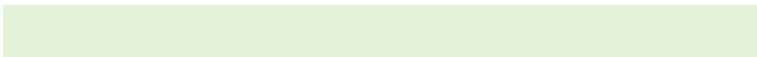
The Sweet Spot groups the original color and five complimentary colors.



73.9216, 83.6120, 86.3726



91.7038, 98.3428, 105.6770



76.0316, 84.9166, 76.6743



19.4414, 20.9569, 22.4372



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

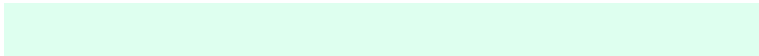


# Same Dimension

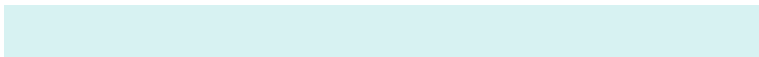
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.9216, 83.6120, 86.3726



81.4237, 93.2601, 95.3992



75.6726, 84.0983, 96.2529



15.9081, 17.7933, 18.5391



19.1316, 34.9447, 16.6078



1.6418, 2.9272, 1.6464



# Inverse Universe

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



74.9250, 73.0816, 83.5599



82.7267, 79.5850, 91.7465



73.3014, 72.6158, 74.4439



16.0899, 15.8857, 18.0295



21.4501, 10.8525, 10.2866

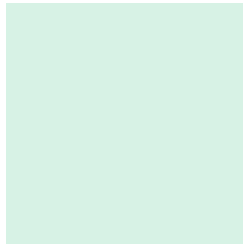


1.8345, 0.9228, 1.1193



# Previews

## White Background



This preview shows how the XYZ color 73.9193, 83.6085, 86.3708 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

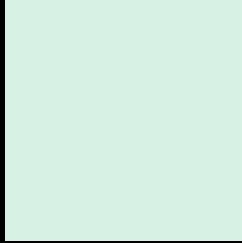
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.9193, 83.6085, 86.3708 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

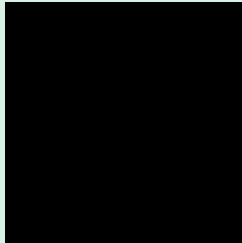
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

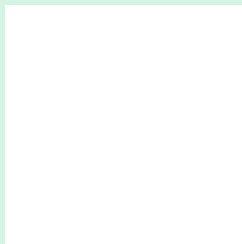
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.9193, 83.6085, 86.3708**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.9193, 83.6085, 86.3708.



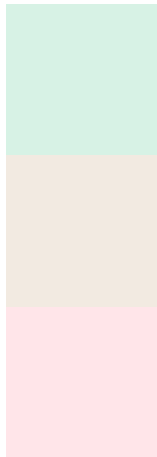
This preview shows how white text looks on a background with the XYZ color 73.9193, 83.6085,

86.3708.

# 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

73.9193, 83.6085, 86.3708

### Protanopia

79.6314, 83.1591, 83.0885

### Deuteranopia

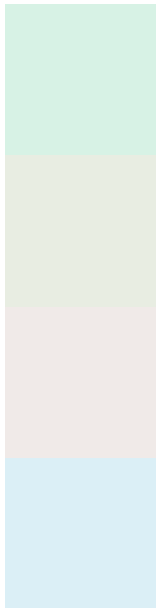
83.9673, 83.1818, 88.7209



## **Tritanopia**

78.4433, 83.7412, 106.6370

# Trichromacy



## Original Color

73.9193, 83.6085, 86.3708

## Protanomaly

77.2904, 83.2152, 83.9400

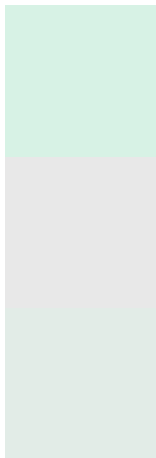
## Deuteranomaly

79.9235, 83.1971, 88.1902

## Tritanomaly

76.7145, 83.4469, 99.2524

# Monochromacy



## Original Color

73.9193, 83.6085, 86.3708

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

75.7833, 81.9292, 87.4210

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.9193, 83.6085, 86.3708 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(215, 242, 229)` looks like.

```
.text, #text, p{  
    color:rgb(215, 242, 229)  
}
```

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(215, 242, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 242, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 73.9193, 83.6085, 86.3708 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(215, 242, 229) }
```



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

```
.border{ border-color:rgb(215, 242, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 242, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 242, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 242, 229);  
box-shadow:4px 4px 4px 4px rgb(215, 242,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.9193, 83.6085, 86.3708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 242, 229) }
```

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

```
.background{ background-color: rgb(215,  
242, 229) }
```

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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