

# Converting Colors

XYZ(73.3259, 83.6859, 89.1198)

Have a look what the booklet for  
XYZ(73.3259, 83.6859, 89.1198)  
contains.

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# Color

**XYZ(73.3369, 83.6860,  
89.3785)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2F3E9
RGB	210, 243, 233
RGB Percent	82%, 95%, 91%
CMY	0.1765, 0.0470, 0.0863
CMYK	0.14, 0.00, 0.04, 0.05
HSL	162°, 58%, 89%
HSV	162°, 14%, 95%
XYZ	73.3369, 83.6860, 89.3785
YIQ	231.9930, -16.4580, -10.1060

# Conversions

## Conversions Part 2

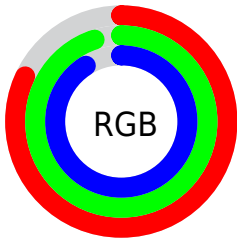
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	210, 229, 243
Decimal	13825001
CIE <sub>Lab</sub>	93.31, -12.58, 1.21
CIE <sub>LCh</sub>	93, 12.642, 174.515
Yxy	83.6860, 0.2976, 0.3396
Android (android.graphics.Color)	4292015081 (0xFFD2F3E9)
YUV	231.9930, 0.4965, -19.2879
Hunter-Lab	91.4801, -16.9918, 6.1081

# Details

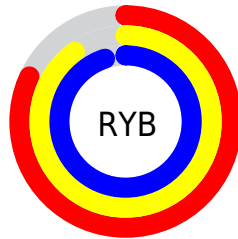
The XYZ color **73.3369, 83.6860, 89.3785** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.9300, 70.3174, 77.4427**, and the grayscale version is **76.7037, 80.6982, 87.8804**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.2237, 45.6835, 48.3455** is the 20% darker color. If you saturate the color by 10%, you get **65.9069, 79.9771, 83.6534**, and if you desaturate by 10%, it is **81.8660, 87.9611, 95.3879**.

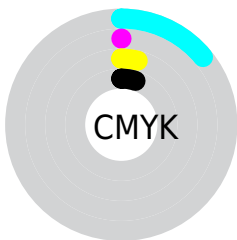
# Distribution



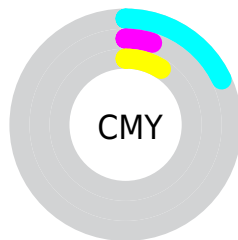
- Red (82%)
- Green (95%)
- Blue (91%)



- Red (82%)
- Yellow (90%)
- Blue (95%)



- Cyan (14%)
- Magenta (0%)
- Yellow (4%)
- Black (5%)



- Cyan (18%)
- Magenta (5%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.3369, 83.6860, 89.3785 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 73.3369, 83.6860, 89.3785 by changing the saturation by 10% instead.



73.3369, 83.6860,  
89.3785

73.3369, 83.6860,  
89.3785

461.2674,  
507.2699, 546.5249

54.5408, 62.7562,  
66.8945

122.9559,  
138.5359, 148.4028

39.2666, 45.6440,  
48.5378

154.5096,  
173.2247, 185.7801

27.1489, 31.9650,  
33.8900

191.0465,  
213.2687, 228.9590

17.8222, 21.3348,  
22.5324

232.9321,  
259.0523, 278.3579

10.9213, 13.3689,  
14.0466

280.5315,  
310.9598, 334.3954

6.0809, 7.6831,  
8.0140

334.2104,

2.9354, 3.8928,

369.3757, 397.4900

4.0160

394.3338,  
434.6842, 468.0604

■ 1.1197, 1.6138,  
1.6341

■ 0.0415, 0.3669,  
0.3150

■ 73.3369, 83.6860,  
89.3785

■ 73.3369, 83.6860,  
89.3785

■ 65.9069, 79.9771,  
83.6534

■ 81.8660, 87.9611,  
95.3879

■ 59.5213, 76.7992,  
78.2020

■ 90.1940, 92.1250,  
101.6181

■ 54.1311, 74.1295,  
73.0208

■ 91.3421, 92.5843,  
107.6640

■ 49.6803, 71.9393,  
68.1046

■ 46.1077, 70.1969,  
63.4473

■ 43.3439, 68.8667,  
59.0429

■ 41.3092, 67.9078,  
54.8846

■ 39.9065, 67.2699,  
50.9646

■ 39.2464, 66.9820,  
48.5683

# Harmonies

## Analogous

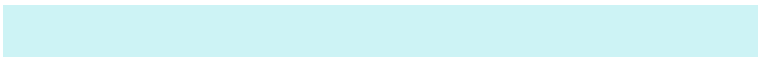
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.4410, 83.6860, 80.8855



73.3369, 83.6860, 89.3785



73.8571, 83.6860, 98.9414

# Triad

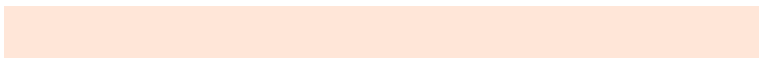
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.3369, 83.6860, 89.3785



82.2272, 83.6860, 108.8409



83.3156, 83.6860, 76.9906

# Complementary

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



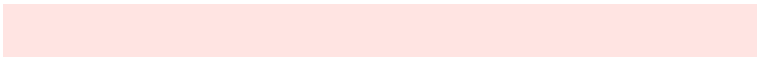
73.3369, 83.6860, 89.3785



72.9300, 70.3174, 77.4427

# 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.



85.5094, 83.6860, 83.7217



73.3369, 83.6860, 89.3785



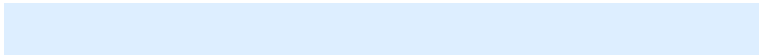
84.8688, 83.6860, 102.1830

# Square

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



73.3369, 83.6860, 89.3785



78.9307, 83.6860, 110.6168



86.0856, 83.6860, 92.8836



80.1545, 83.6860, 74.0600

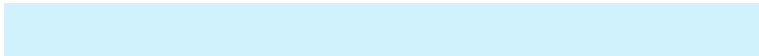


# Rectangle

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



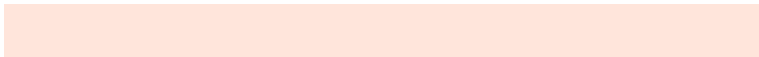
73.3369, 83.6860, 89.3785



75.0627, 83.6860, 104.5886



86.0856, 83.6860, 92.8836



84.1941, 83.6860, 78.8601

# Sweetspot

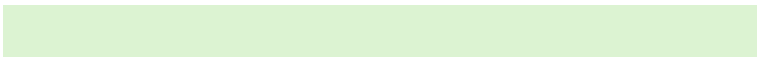
The Sweet Spot groups the original color and five complimentary colors.



73.3393, 83.6895, 89.3804



90.9026, 97.9190, 106.1285



73.3377, 84.0440, 73.3308



19.2949, 20.8774, 22.6055



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

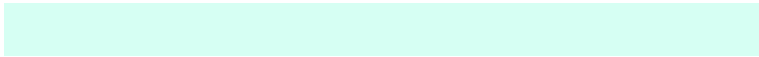


# Same Dimension

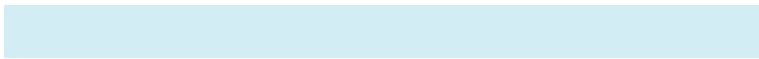
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.3393, 83.6895, 89.3804



79.6723, 92.2952, 98.1195



73.0284, 80.7154, 96.5288



16.7703, 18.6672, 20.0746



21.6015, 36.7854, 26.9848



1.9441, 3.2513, 2.6113



# Inverse Universe

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



72.9300, 70.3174, 77.4427



79.1426, 74.9766, 82.6606



73.1664, 72.8475, 71.1787



16.7059, 16.5652, 18.1977



21.0104, 10.7476, 4.7630

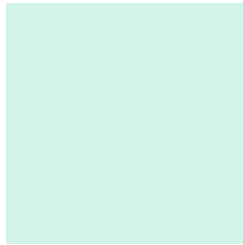


1.8903, 0.9621, 0.6488



# Previews

## White Background



This preview shows how the XYZ color 73.3369, 83.6860, 89.3785 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

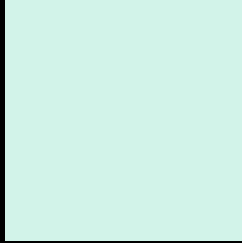
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.3369, 83.6860, 89.3785 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

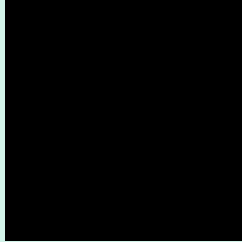
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

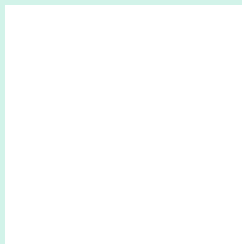
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.3369, 83.6860, 89.3785**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.3369, 83.6860, 89.3785.



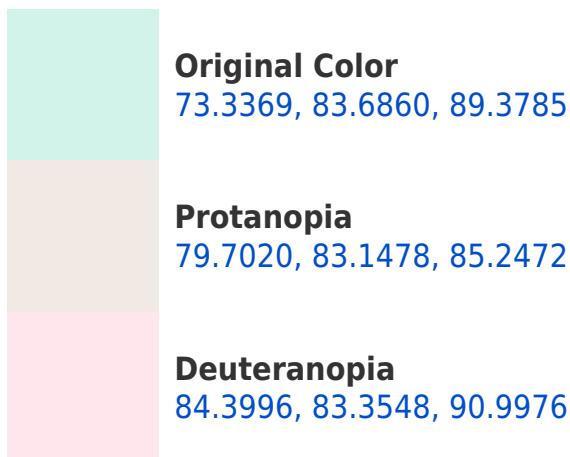
This preview shows how white text looks on a background with the XYZ color 73.3369, 83.6860,

89.3785.

# 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

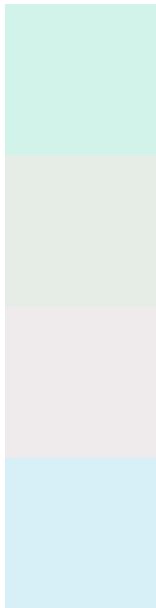




## Tritanopia

77.8299, 83.8584, 106.6920

# Trichromacy



**Original Color**

73.3369, 83.6860, 89.3785

**Protanomaly**

77.2002, 83.1045, 86.8348

**Deuteranomaly**

80.0148, 83.1945, 90.4382

**Tritanomaly**

75.9729, 83.4826, 100.1053

# Monochromacy



**Original Color**

73.3369, 83.6860, 89.3785

**Achromatopsia**

76.7008, 80.6952, 87.8771

**Achromatomaly**

75.3014, 81.6644, 88.1379

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.3369, 83.6860, 89.3785 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(210, 243, 233)` looks like.

```
.text, #text, p{  
    color:rgb(210, 243, 233)  
}
```

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(210, 243, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 243, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 73.3369, 83.6860, 89.3785 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(210, 243, 233) }
```



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

```
.border{ border-color:rgb(210, 243, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 243, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 243, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 243, 233);  
box-shadow:4px 4px 4px 4px rgb(210, 243,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.3369, 83.6860, 89.3785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 243, 233) }
```

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

```
.background{ background-color: rgb(210,  
243, 233) }
```

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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