

# Converting Colors

XYZ(77.4843, 85.8309, 89.5691)

Have a look what the booklet for  
XYZ(77.4843, 85.8309, 89.5691)  
contains.

<b>XYZ(77.4990, 85.8317, 89.5733)</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(77.4990, 85.8317,  
89.5733)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E0F3E9
RGB	224, 243, 233
RGB Percent	88%, 95%, 91%
CMY	0.1216, 0.0470, 0.0863
CMYK	0.08, 0.00, 0.04, 0.05
HSL	148°, 44%, 92%
HSV	148°, 8%, 95%
XYZ	77.4990, 85.8317, 89.5733
YIQ	236.1790, -8.1140, -7.1380

# Conversions

## Conversions Part 2

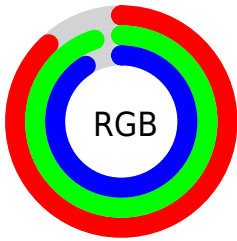
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 237, 243
Decimal	14742505
CIE Lab	94.24, -8.06, 2.67
CIE LCh	94, 8.491, 161.675
Yxy	85.8317, 0.3064, 0.3394
Android (android.graphics.Color)	4292932585 (0xFFE0F3E9)
YUV	236.1790, -1.5672, -10.6810
Hunter-Lab	92.6454, -12.8120, 7.5278

# Details

The XYZ color **77.4990, 85.8317, 89.5733** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.4722, 78.3086, 88.8251**, and the grayscale version is **79.8840, 84.0442, 91.5241**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0683, 47.1500, 48.4786** is the 20% darker color. If you saturate the color by 10%, you get **68.7379, 81.5212, 79.9682**, and if you desaturate by 10%, it is **87.4737, 90.7574, 99.9304**.

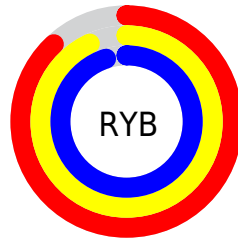
# Distribution



Red (88%)

Green (95%)

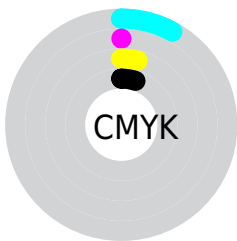
Blue (91%)



Red (88%)

Yellow (93%)

Blue (95%)

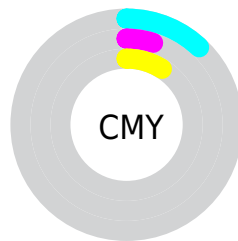


Cyan (8%)

Magenta (0%)

Yellow (4%)

Black (5%)



Cyan (12%)

Magenta (5%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.4990, 85.8317, 89.5733 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 77.4990, 85.8317, 89.5733 by changing the saturation by 10% instead.



77.4990, 85.8317,  
89.5733

77.4990, 85.8317,  
89.5733

475.3296,  
514.3761, 547.1761

57.9639, 64.5288,  
67.0551

128.8127,  
141.5346, 148.6759

42.0227, 47.0791,  
48.6675

161.3221,  
176.7034, 186.0973

29.3103, 33.0982,  
33.9921

198.8868,  
217.2630, 229.3236

19.4611, 22.2017,  
22.6102

241.8724,  
263.5977, 278.7732

12.1099, 14.0052,  
14.1034

290.6440,  
316.0920, 334.8647

6.8913, 8.1243,  
8.0530

345.5672,

3.4400, 4.1746,

375.1302, 398.0167

4.0406

407.0073,  
441.0968, 468.6476

■ 1.3905, 1.7717,  
1.6477

■ 0.2494, 0.4694,  
0.3245

■ 77.4990, 85.8317,  
89.5733

■ 77.4990, 85.8317,  
89.5733

■ 68.7379, 81.5212,  
79.9682

■ 87.4737, 90.7574,  
99.9304

■ 61.1351, 77.7903,  
71.0925

■ 91.3423, 92.5845,  
107.6641

■ 54.6414, 74.6166,  
62.9308

■ 49.2011, 71.9717,  
55.4648

■ 44.7538, 69.8247,  
48.6755

■ 41.2323, 68.1414,  
42.5430

■ 38.5608, 66.8830,  
37.0462

■ 36.6501, 66.0042,  
32.1627

■ 35.3811, 65.4437,  
27.8675

# Harmonies

## Analogous

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



78.7071, 85.8317, 84.4097



77.4990, 85.8317, 89.5733



77.3722, 85.8317, 96.0136

# Triad

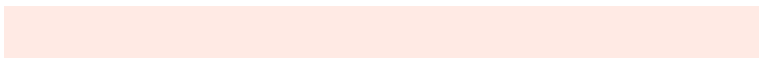
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.4990, 85.8317, 89.5733



82.4686, 85.8317, 106.2661



84.8908, 85.8317, 85.3733

# Complementary

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



77.4990, 85.8317, 89.5733



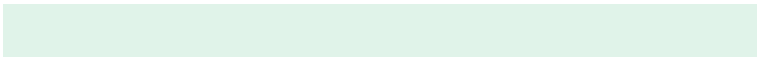
78.4722, 78.3086, 88.8251

# 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.



85.9386, 85.8317, 90.9445



77.4990, 85.8317, 89.5733



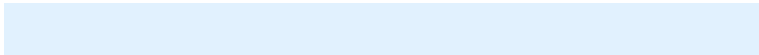
84.5229, 85.8317, 103.1268

# Square

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



77.4990, 85.8317, 89.5733



80.2132, 85.8317, 105.8570



85.8028, 85.8317, 97.4496



82.9632, 85.8317, 82.0637

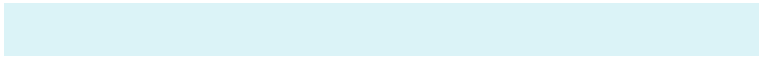


# Rectangle

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



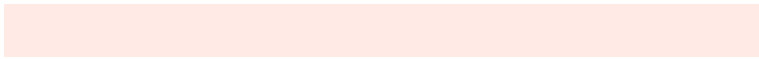
77.4990, 85.8317, 89.5733



77.9149, 85.8317, 100.1883



85.8028, 85.8317, 97.4496



85.3592, 85.8317, 87.0325

# Sweetspot

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



77.5014, 85.8353, 89.5752



92.7692, 98.8738, 106.5528



79.4837, 87.0021, 83.1259



19.8803, 21.1749, 22.8314



0.0000, 0.0000, 0.0000

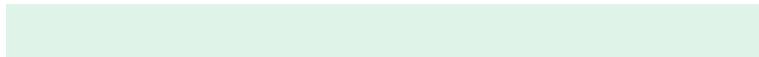


20.3446, 21.4041, 23.3091

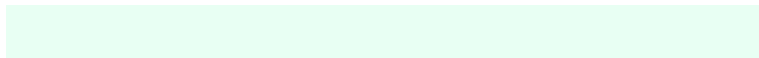


# Same Dimension

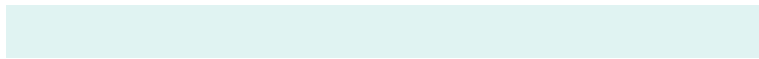
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.5014, 85.8353, 89.5752



85.2204, 95.1503, 98.6041



78.8762, 86.3852, 96.8145



16.6090, 18.6027, 19.2251



19.3586, 35.8883, 15.1740



1.7530, 3.1748, 1.6050



# Inverse Universe

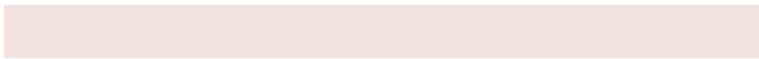
The Inverse Universe completely reimagines the original color for something new.



78.4722, 78.3086, 88.8251



86.4597, 85.5410, 97.6464



77.1610, 77.7841, 81.9203



16.8636, 16.6283, 19.0283



22.4903, 11.3396, 12.5563

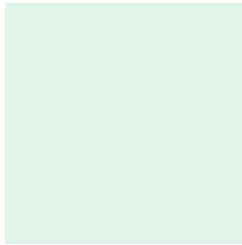


2.0286, 1.0174, 1.3771



# Previews

## White Background



This preview shows how the XYZ color 77.4990, 85.8317, 89.5733 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

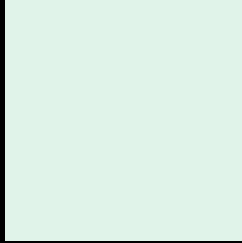
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.4990, 85.8317, 89.5733 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

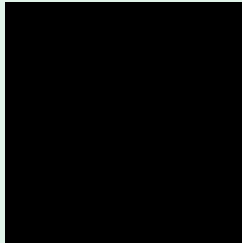
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

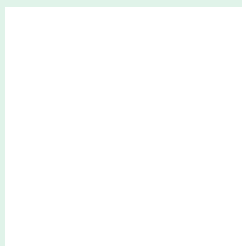
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 77.4990, 85.8317, 89.5733**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.4990, 85.8317, 89.5733.



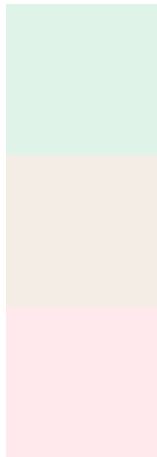
This preview shows how white text looks on a background with the XYZ color 77.4990, 85.8317,

89.5733.

# 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

77.4990, 85.8317, 89.5733

### Protanopia

81.8753, 85.5146, 87.0536

### Deuteranopia

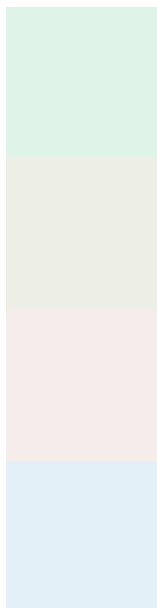
85.5192, 85.5940, 91.3708



## Tritanopia

81.5496, 85.7760, 106.8660

# Trichromacy



## Original Color

77.4990, 85.8317, 89.5733

## Protanomaly

80.2154, 85.5071, 87.8780

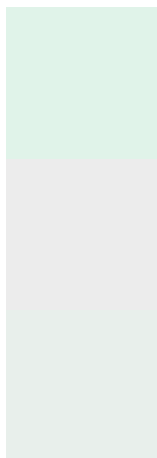
## Deuteranomaly

82.5878, 85.7996, 90.8054

## Tritanomaly

79.9435, 85.5296, 100.2911

# Monochromacy



## Original Color

77.4990, 85.8317, 89.5733

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

79.1406, 84.8870, 90.8109

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.4990, 85.8317, 89.5733 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, 243, 233)` looks like.

```
.text, #text, p{  
    color:rgb(224, 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(224, 243, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 243, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 77.4990, 85.8317, 89.5733 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, 243, 233) }
```



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

```
.border{ border-color:rgb(224, 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(224, 243, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 243, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 243, 233);  
box-shadow:4px 4px 4px 4px rgb(224, 243,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.4990, 85.8317, 89.5733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 243, 233) }
```

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

```
.background{ background-color: rgb(224,  
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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