

# Converting Colors

XYZ(77.6820, 86.0585, 86.9820)

Have a look what the booklet for  
XYZ(77.6820, 86.0585, 86.9820)  
contains.

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# Color

**XYZ(77.5575, 85.9271,  
86.6266)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E2F3E5
RGB	226, 243, 229
RGB Percent	89%, 95%, 90%
CMY	0.1137, 0.0470, 0.1020
CMYK	0.07, 0.00, 0.06, 0.05
HSL	131°, 41%, 92%
HSV	131°, 7%, 95%
XYZ	77.5575, 85.9271, 86.6266
YIQ	236.3210, -5.6380, -7.9580

# Conversions

## Conversions Part 2

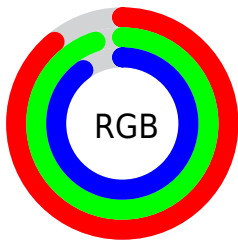
Format	Color
R <sub>Y</sub> B	226, 240, 243
Decimal	14873573
CIE Lab	94.28, -8.12, 4.82
CIE LCh	94, 9.441, 149.314
Yxy	85.9271, 0.3101, 0.3436
Android (android.graphics.Color)	4293063653 (0xFFE2F3E5)
YUV	236.3210, -3.6093, -9.0515
Hunter-Lab	92.6969, -12.8724, 9.4804

# Details

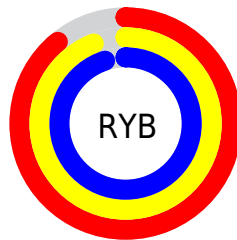
The XYZ color **77.5575, 85.9271, 86.6266** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.8898, 79.7409, 93.6232**, and the grayscale version is **80.0067, 84.1732, 91.6647**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2049, 47.2546, 46.9410** is the 20% darker color. If you saturate the color by 10%, you get **67.8358, 81.2223, 72.4164**, and if you desaturate by 10%, it is **88.6862, 91.3249, 102.5878**.

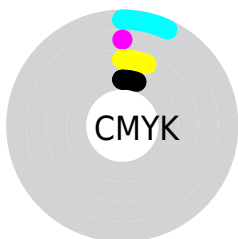
# Distribution



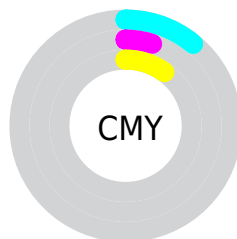
- Red (89%)
- Green (95%)
- Blue (90%)



- Red (89%)
- Yellow (94%)
- Blue (95%)



- Cyan (7%)
- Magenta (0%)
- Yellow (6%)
- Black (5%)



- Cyan (11%)
- Magenta (5%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.5575, 85.9271, 86.6266 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 77.5575, 85.9271, 86.6266 by changing the saturation by 10% instead.



77.5575, 85.9271,  
86.6266

77.5575, 85.9271,  
86.6266

475.5256,  
514.6908, 537.2794

58.0121, 64.6077,  
64.6284

128.8948,  
141.6678, 144.5378

42.0616, 47.1430,  
46.7104

161.4174,  
176.8578, 181.2879

29.3409, 33.1487,  
32.4541

198.9965,  
217.4402, 223.7924

19.4844, 22.2404,  
21.4409

241.9973,  
263.7993, 272.4698

12.1269, 14.0337,  
13.2523

290.7852,  
316.3195, 327.7387

6.9030, 8.1441,  
7.4697

345.7257,

3.4473, 4.1873,

375.3852, 390.0175

3.6747

407.1840,  
441.3809, 459.7249

■ 1.3945, 1.7789,  
1.4486

■ 0.2523, 0.4740,  
0.1792

■ 77.5575, 85.9271,  
86.6266

■ 77.5575, 85.9271,  
86.6266

■ 67.8358, 81.2223,  
72.4164

■ 88.6862, 91.3249,  
102.5878

■ 59.4578, 77.1718,  
59.8922

■ 91.3423, 92.5845,  
107.6641

■ 52.3659, 73.7497,  
48.9929

■ 46.4959, 70.9243,  
39.6519

■ 41.7775, 68.6608,  
31.7978

■ 38.1335, 66.9211,  
25.3537

■ 35.4769, 65.6621,  
20.2358

■ 33.7065, 64.8336,  
16.3512

■ 32.6955, 64.3724,  
13.5949

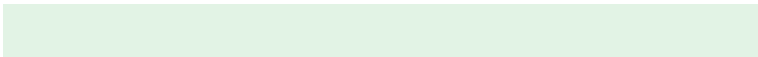
# Harmonies

## Analogous

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



79.3118, 85.9271, 81.9269



77.5575, 85.9271, 86.6266



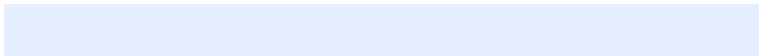
76.9014, 85.9271, 93.3932

# Triad

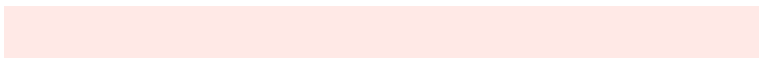
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.5575, 85.9271, 86.6266



81.6129, 85.9271, 108.1984



85.9880, 85.9271, 86.9015

# Complementary

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



77.5575, 85.9271, 86.6266



79.8898, 79.7409, 93.6232

# 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.



86.6341, 85.9271, 93.7270



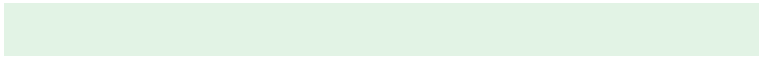
77.5575, 85.9271, 86.6266



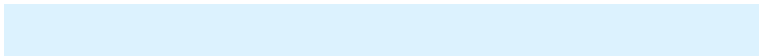
84.0768, 85.9271, 106.2453

# Square

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



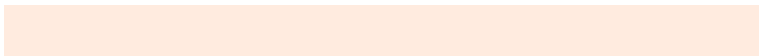
77.5575, 85.9271, 86.6266



79.2129, 85.9271, 106.0637



85.9277, 85.9271, 100.8538



84.1797, 85.9271, 82.0798



# Rectangle

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



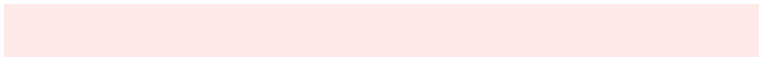
77.5575, 85.9271, 86.6266



77.1644, 85.9271, 98.2453



85.9277, 85.9271, 100.8538



86.3500, 85.9271, 89.0261

# Sweetspot

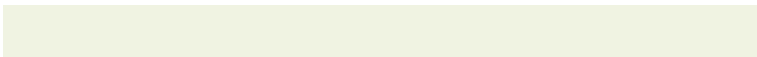
The Sweet Spot groups the original color and five complimentary colors.



77.5599, 85.9308, 86.6285



92.5296, 98.7779, 105.2907



81.7734, 88.1509, 84.6576



19.8315, 21.1553, 22.5744



0.0000, 0.0000, 0.0000

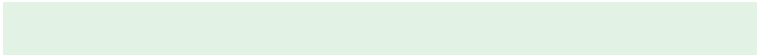


20.3446, 21.4041, 23.3091

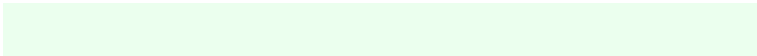


# Same Dimension

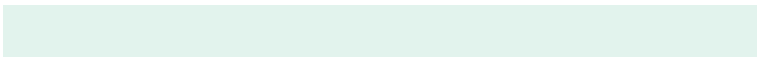
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.5599, 85.9308, 86.6285



85.3509, 95.2989, 94.9386



78.7522, 86.4077, 92.9073



16.4015, 18.5198, 18.1329



17.8629, 35.2900, 7.2976



1.6027, 3.1147, 0.8139



# Inverse Universe

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



79.8898, 79.7409, 93.6232



88.3098, 87.4382, 103.8211



78.6794, 79.2567, 87.2493



17.0808, 16.7152, 20.1720



26.0612, 12.7679, 31.3605

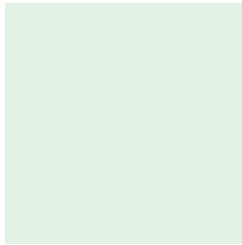


2.3227, 1.1350, 2.9257



# Previews

## White Background



This preview shows how the XYZ color 77.5575, 85.9271, 86.6266 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

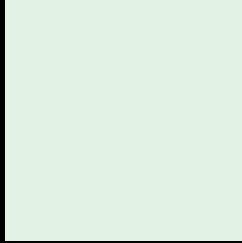
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.5575, 85.9271, 86.6266 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

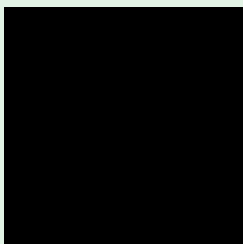
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

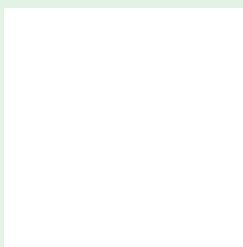
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 77.5575, 85.9271, 86.6266**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.5575, 85.9271, 86.6266.



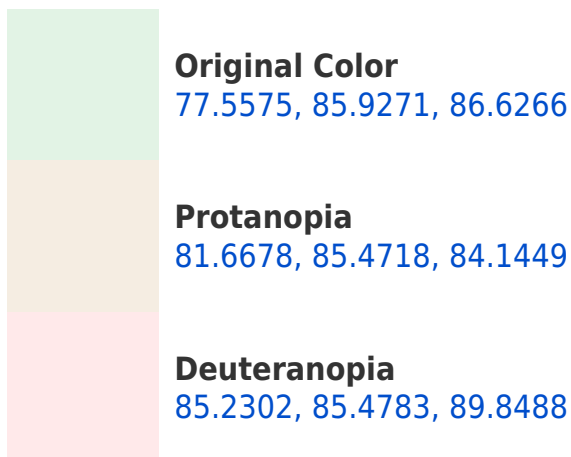
This preview shows how white text looks on a background with the XYZ color 77.5575, 85.9271,

86.6266.

# 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

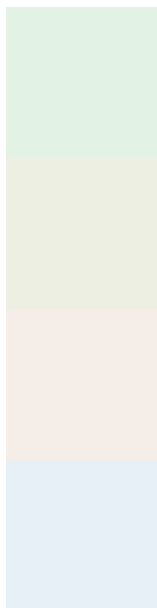




## Tritanopia

82.1952, 86.1088, 106.8963

# Trichromacy



## Original Color

77.5575, 85.9271, 86.6266

## Protanomaly

79.9915, 85.4562, 84.9517

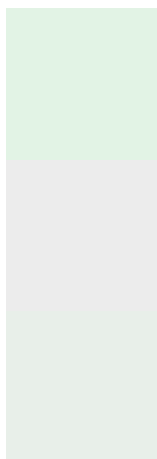
## Deuteranomaly

82.1579, 85.6277, 88.5415

## Tritanomaly

80.4278, 85.7970, 99.5103

# Monochromacy



## Original Color

77.5575, 85.9271, 86.6266

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

78.8532, 84.7720, 89.2974

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.5575, 85.9271, 86.6266 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(226, 243, 229) looks like.

```
.text, #text, p{  
    color:rgb(226, 243, 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(226, 243, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 243, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 77.5575, 85.9271, 86.6266 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(226, 243, 229) }
```



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

```
.border{ border-color:rgb(226, 243, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 243, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 243, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 243, 229);  
box-shadow:4px 4px 4px 4px rgb(226, 243,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.5575, 85.9271, 86.6266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 243, 229) }
```

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

```
.background{ background-color: rgb(226,  
243, 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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