

# Converting Colors

XYZ(77.9274, 86.8929, 82.7943)

Have a look what the booklet for  
XYZ(77.9274, 86.8929, 82.7943)  
contains.

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# Color

**XYZ(77.9666, 87.1265,  
82.5199)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4F5DF
RGB	228, 245, 223
RGB Percent	89%, 96%, 87%
CMY	0.1059, 0.0392, 0.1255
CMYK	0.07, 0.00, 0.09, 0.04
HSL	106°, 52%, 92%
HSV	106°, 9%, 96%
XYZ	77.9666, 87.1265, 82.5199
YIQ	237.4090, -3.0700, -10.4460

# Conversions

## Conversions Part 2

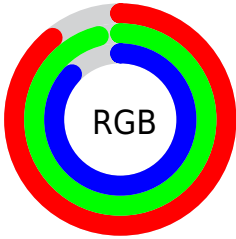
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 245, 240
Decimal	15005151
CIE Lab	94.79, -9.50, 8.67
CIE LCh	95, 12.865, 137.601
Yxy	87.1265, 0.3149, 0.3519
Android (android.graphics.Color)	4293195231 (0xFFE4F5DF)
YUV	237.4090, -7.1036, -8.2517
Hunter-Lab	93.3416, -14.2498, 12.9230

# Details

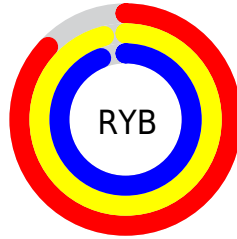
The XYZ color **77.9666, 87.1265, 82.5199** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.8077, 77.8956, 97.2725**, and the grayscale version is **80.8682, 85.0797, 92.6518**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4991, 48.1066, 44.0913** is the 20% darker color. If you saturate the color by 10%, you get **69.2187, 82.9738, 66.0971**, and if you desaturate by 10%, it is **87.8552, 91.8171, 101.4948**.

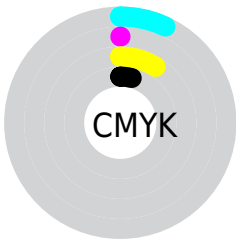
# Distribution



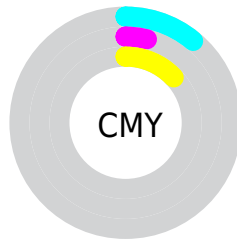
- Red (89%)
- Green (96%)
- Blue (87%)



- Red (87%)
- Yellow (96%)
- Blue (94%)



- Cyan (7%)
- Magenta (0%)
- Yellow (9%)
- Black (4%)



- Cyan (11%)
- Magenta (4%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9666, 87.1265, 82.5199 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 77.9666, 87.1265, 82.5199 by changing the saturation by 10% instead.



■ 77.9666, 87.1265,  
82.5199

■ 77.9666, 87.1265,  
82.5199

476.8949,  
518.6385, 523.3141

■ 58.3492, 65.5999,  
61.2559

129.4687,  
143.3404, 138.7461

■ 42.3338, 47.9477,  
43.9998

162.0840,  
178.7966, 174.5452

■ 29.5550, 33.7855,  
30.3332

199.7628,  
219.6647, 216.0266

■ 19.6475, 22.7288,  
19.8374

242.8703,  
266.3291, 263.6086

■ 12.2458, 14.3934,  
12.0940

291.7720,  
319.1743, 317.7098

■ 6.9847, 8.3948,  
6.6844

346.8330,

■ 3.4988, 4.3486,

378.5847, 378.7488

3.1901

408.4189,  
444.9446, 447.1440

■ 1.4227, 1.8704,  
1.1925

■ 0.2723, 0.5305,  
0.0000

■ 77.9666, 87.1265,  
82.5199

■ 77.9666, 87.1265,  
82.5199

■ 69.2187, 82.9738,  
66.0971

■ 87.8552, 91.8171,  
101.4948

■ 61.5628, 79.3286,  
52.1121

■ 91.9441, 93.7882,  
107.8647

■ 54.9572, 76.1746,  
40.4502

■ 49.3546, 73.4900,  
30.9857

■ 44.7040, 71.2517,  
23.5804

■ 40.9500, 69.4342,  
18.0811

■ 38.0305, 68.0095,  
14.3126

■ 35.8748, 66.9457,  
12.0678

■ 34.3894, 66.2012,  
11.0373

# Harmonies

## Analogous

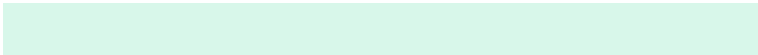
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8039, 87.1265, 77.7441



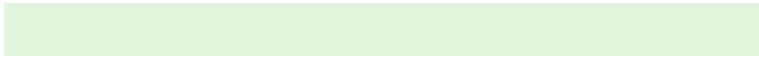
77.9666, 87.1265, 82.5199



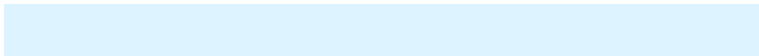
76.4452, 87.1265, 90.8096

# Triad

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



77.9666, 87.1265, 82.5199



81.3824, 87.1265, 114.8441



89.3555, 87.1265, 89.1874

# Complementary

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



77.9666, 87.1265, 82.5199



78.8077, 77.8956, 97.2725

# 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.



89.5210, 87.1265, 99.0413



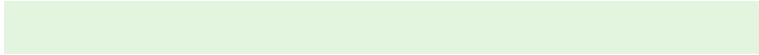
77.9666, 87.1265, 82.5199



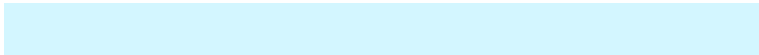
84.8514, 87.1265, 114.3335

# Square

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



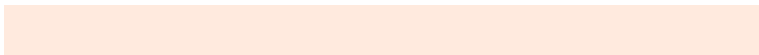
77.9666, 87.1265, 82.5199



78.3799, 87.1265, 109.7356



87.8523, 87.1265, 108.3858



87.4063, 87.1265, 81.4041

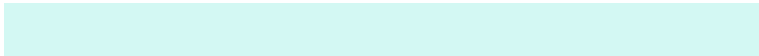


# Rectangle

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



77.9666, 87.1265, 82.5199



76.3530, 87.1265, 97.4238



87.8523, 87.1265, 108.3858



89.6236, 87.1265, 92.3533

# Sweetspot

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



77.9690, 87.1302, 82.5218



91.7009, 98.4130, 102.4416



82.0999, 86.9858, 82.2762



19.4404, 20.9756, 21.5666



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

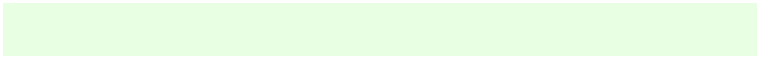


# Same Dimension

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



77.9690, 87.1302, 82.5218



83.3281, 94.4414, 86.4740



77.2108, 86.6464, 86.6883



16.6344, 18.6536, 17.5213



18.5575, 35.6795, 5.9088



1.7169, 3.1801, 0.5233



# Inverse Universe

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



78.8077, 77.8956, 97.2725



84.4394, 82.2020, 106.0239



79.6467, 78.4300, 92.7089



16.8239, 16.5674, 20.8537



20.3551, 9.4678, 47.2927

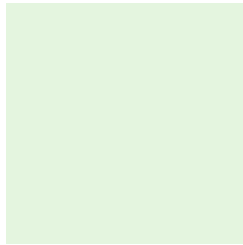


1.8769, 0.8774, 4.1607



# Previews

## White Background



This preview shows how the XYZ color 77.9666, 87.1265, 82.5199 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

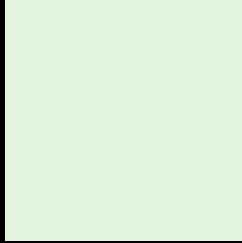
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.9666, 87.1265, 82.5199 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

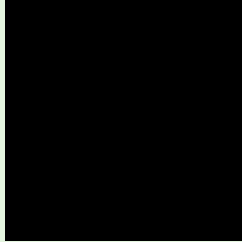
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

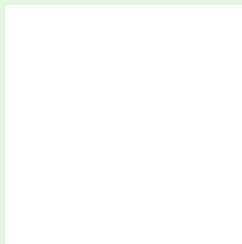
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 77.9666, 87.1265, 82.5199**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.9666, 87.1265, 82.5199.



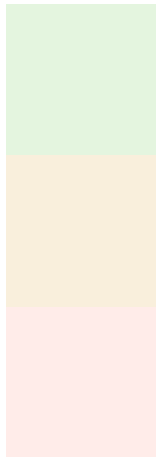
This preview shows how white text looks on a background with the XYZ color 77.9666, 87.1265,

82.5199.

# 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

77.9666, 87.1265, 82.5199

### Protanopia

82.8517, 87.0400, 80.1438

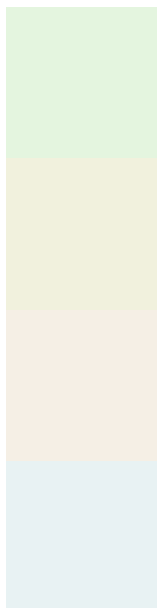
### Deuteranopia

85.9434, 87.1341, 89.3797

# Tritanopia

83.4710, 87.2023, 107.0401

# Trichromacy



## Original Color

77.9666, 87.1265, 82.5199

## Protanomaly

80.7821, 86.8318, 80.9092

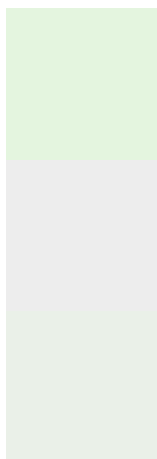
## Deuteranomaly

82.6655, 86.8026, 86.5264

## Tritanomaly

81.2085, 87.1311, 97.3319

# Monochromacy



## Original Color

77.9666, 87.1265, 82.5199

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

79.6573, 85.6388, 88.6755

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.9666, 87.1265, 82.5199 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(228, 245, 223)` looks like.

```
.text, #text, p{  
    color:rgb(228, 245, 223)  
}
```

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(228, 245, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 245, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 77.9666, 87.1265, 82.5199 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(228, 245, 223) }
```



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

```
.border{ border-color:rgb(228, 245, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 245, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 245, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 245, 223);  
box-shadow:4px 4px 4px 4px rgb(228, 245,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.9666, 87.1265, 82.5199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 245, 223) }
```

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

```
.background{ background-color: rgb(228,  
245, 223) }
```

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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