

Converting Colors

XYZ(77.4555, 85.9867, 77.6132)

Have a look what the booklet for
XYZ(77.4555, 85.9867, 77.6132)
contains.

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Color

**XYZ(77.4003, 86.0480,
77.4952)**

Conversions

Conversions Part 1

Format	Color
Hex	E7F3D8
RGB	231, 243, 216
RGB Percent	91%, 95%, 85%
CMY	0.0941, 0.0470, 0.1529
CMYK	0.05, 0.00, 0.11, 0.05
HSL	87°, 53%, 90%
HSV	87°, 11%, 95%
XYZ	77.4003, 86.0480, 77.4952
YIQ	236.3340, 1.5150, -10.9410

Conversions

Conversions Part 2

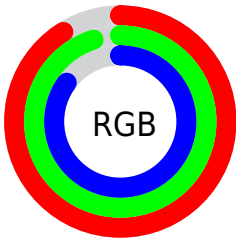
Format	Color
R _Y B	216, 243, 228
Decimal	15201240
CIE Lab	94.33, -8.66, 11.66
CIE LCh	94, 14.524, 126.589
Yxy	86.0480, 0.3212, 0.3571
Android (android.graphics.Color)	4293391320 (0xFFE7F3D8)
YUV	236.3340, -10.0247, -4.6779
Hunter-Lab	92.7621, -13.3939, 15.4014

Details

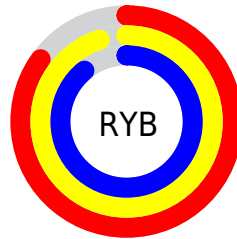
The XYZ color **77.4003, 86.0480, 77.4952** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **72.7317, 72.0791, 94.8778**, and the grayscale version is **80.0604, 84.2298, 91.7262**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8825, 47.2278, 40.6266** is the 20% darker color. If you saturate the color by 10%, you get **71.1090, 83.1438, 61.9963**, and if you desaturate by 10%, it is **84.3762, 89.2565, 95.4549**.

Distribution



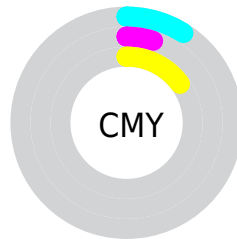
- Red (91%)
- Green (95%)
- Blue (85%)



- Red (85%)
- Yellow (95%)
- Blue (89%)



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



- Cyan (9%)
- Magenta (5%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.4003, 86.0480, 77.4952 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 77.4003, 86.0480, 77.4952 by changing the saturation by 10% instead.

77.4003, 86.0480,
77.4952

77.4003, 86.0480,
77.4952

474.9988,
515.0895, 505.9332

57.8825, 64.7077,
57.1454

128.6742,
141.8365, 131.6177

41.9571, 47.2241,
40.7119

161.1611,
177.0534, 166.2274

29.2587, 33.2128,
27.7760

198.7018,
217.6646, 206.4276

19.4219, 22.2895,
17.9193

241.6615,
264.0546, 252.6366

12.0813, 14.0698,
10.7232

290.4058,
316.6077, 305.2732

6.8717, 8.1692,
5.7692

345.2998,

3.4276, 4.2034,

375.7082, 364.7558

2.6388

406.7090,
441.7407, 431.5029

■ 1.3837, 1.7880,
0.9124

■ 0.2446, 0.4797,
0.0000

■ 77.4003, 86.0480,
77.4952

■ 77.4003, 86.0480,
77.4952

■ 71.1090, 83.1438,
61.9963

■ 84.3762, 89.2565,
95.4549

■ 65.4712, 80.5226,
48.8454

■ 90.4673, 92.1335,
107.6232

■ 60.4633, 78.1774,
37.9294

■ 91.3423, 92.5846,
107.6641

■ 56.0576, 76.0965,
29.1233

■ 52.2239, 74.2675,
22.2900

■ 48.9289, 72.6764,
17.2764

■ 46.1346, 71.3076,
13.9064

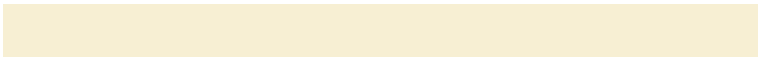
■ 43.7965, 70.1427,
11.9694

■ 42.0406, 69.2538,
11.1515

Harmonies

Analogous

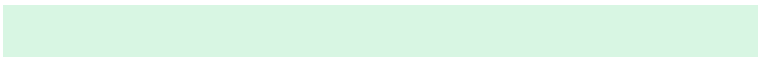
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.9292, 86.0480, 73.9491



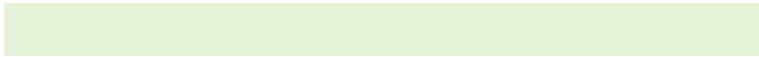
77.4003, 86.0480, 77.4952



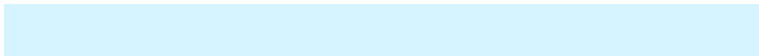
75.1005, 86.0480, 85.4210

Triad

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



77.4003, 86.0480, 77.4952



78.8447, 86.0480, 114.7974



89.4580, 86.0480, 91.2507

Complementary

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



77.4003, 86.0480, 77.4952



72.7317, 72.0791, 94.8778

Split Complementary

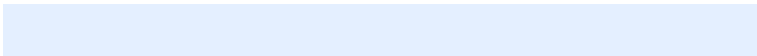
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.8570, 86.0480, 102.4796



77.4003, 86.0480, 77.4952



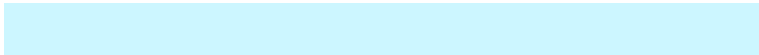
82.6489, 86.0480, 116.6681

Square

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



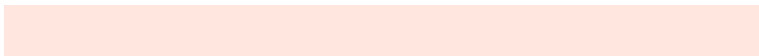
77.4003, 86.0480, 77.4952



75.9157, 86.0480, 107.0745



86.3344, 86.0480, 112.0008



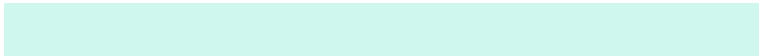
87.9514, 86.0480, 81.4731

Rectangle

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



77.4003, 86.0480, 77.4952



74.5317, 86.0480, 92.4206



86.3344, 86.0480, 112.0008



89.4965, 86.0480, 94.9743

Sweetspot

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



77.4026, 86.0517, 77.4971



92.6025, 98.8777, 102.4838



77.0209, 79.3375, 76.2212



19.6833, 21.1008, 21.5780



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

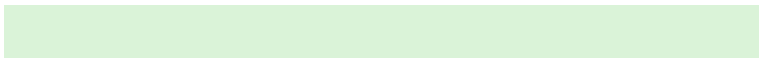
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.4026, 86.0517, 77.4971



84.9494, 95.3573, 82.9304



73.3015, 83.9375, 77.3051



17.1625, 18.9258, 17.5461



23.2298, 38.0882, 6.1274



2.1598, 3.4085, 0.5441

Inverse Universe

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



72.7317, 72.0791, 94.8778



78.9186, 77.3163, 105.3718



77.0807, 74.3210, 95.0814



16.2805, 16.2872, 20.8282



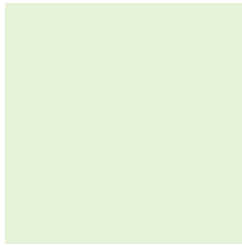
12.4243, 5.3793, 46.9215



1.2082, 0.5327, 4.1294

Previews

White Background



This preview shows how the XYZ color 77.4003, 86.0480, 77.4952 looks on a white background.

Color Contrast Check

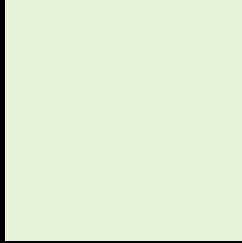
Large Text (above 18pt) WCAG AA × Fail

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 77.4003, 86.0480, 77.4952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

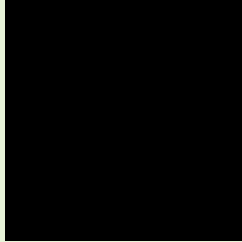
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

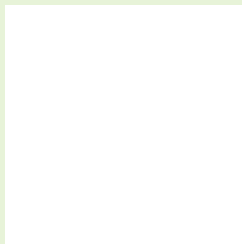
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.4003, 86.0480, 77.4952

Background



This preview shows how black text looks on a background with the XYZ color 77.4003, 86.0480, 77.4952.



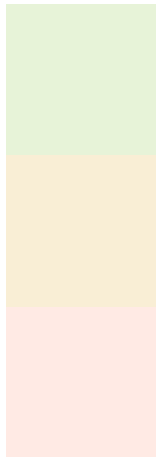
This preview shows how white text looks on a background with the XYZ color 77.4003, 86.0480,

77.4952.

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

77.4003, 86.0480, 77.4952

Protanopia

81.6517, 86.0929, 75.2649

Deuteranopia

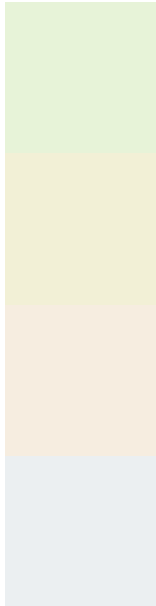
84.6664, 85.7071, 85.4795



Tritanopia

83.2592, 85.7929, 106.7792

Trichromacy



Original Color

77.4003, 86.0480, 77.4952

Protanomaly

79.9156, 86.0525, 76.0161

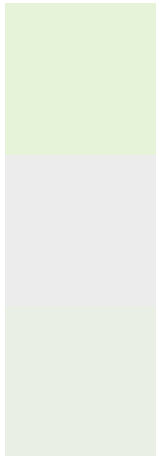
Deuteranomaly

81.7448, 85.5430, 82.7241

Tritanomaly

81.0046, 85.7460, 95.5003

Monochromacy



Original Color

77.4003, 86.0480, 77.4952

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

78.9410, 84.8826, 86.3521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.4003, 86.0480, 77.4952 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(231, 243, 216) looks like.

```
.text, #text, p{  
    color:rgb(231, 243, 216)  
}
```

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(231, 243, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 243, 216) }
```

Border

The CSS property to change the border of an element to XYZ 77.4003, 86.0480, 77.4952 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(231, 243, 216) }
```


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

```
.border{ border-color:rgb(231, 243, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 243, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 243, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 243, 216);  
box-shadow:4px 4px 4px 4px rgb(231, 243,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 77.4003, 86.0480, 77.4952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 243, 216) }
```

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

```
.background{ background-color: rgb(231,  
243, 216) }
```

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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