

Converting Colors

XYZ(77.9371, 87.0361, 77.0566)

Have a look what the booklet for
XYZ(77.9371, 87.0361, 77.0566)
contains.

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Color

**XYZ(78.1969, 87.3669,
77.0321)**

Conversions

Conversions Part 1

Format	Color
Hex	E8F5D7
RGB	232, 245, 215
RGB Percent	91%, 96%, 84%
CMY	0.0902, 0.0392, 0.1569
CMYK	0.05, 0.00, 0.12, 0.04
HSL	86°, 60%, 90%
HSV	86°, 12%, 96%
XYZ	78.1969, 87.3669, 77.0321
YIQ	237.6930, 1.8820, -12.0860

Conversions

Conversions Part 2

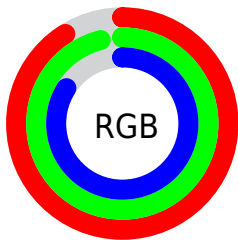
Format	Color
R _Y B	215, 245, 228
Decimal	15267287
CIE Lab	94.89, -9.48, 12.99
CIE LCh	95, 16.077, 126.127
Yxy	87.3669, 0.3223, 0.3601
Android (android.graphics.Color)	4293457367 (0xFFE8F5D7)
YUV	237.6930, -11.1876, -4.9928
Hunter-Lab	93.4703, -14.2405, 16.5662

Details

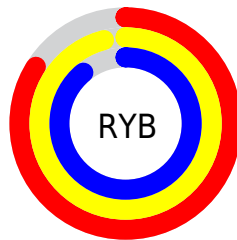
The XYZ color **78.1969, 87.3669, 77.0321** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **72.7802, 71.6898, 96.3924**, and the grayscale version is **81.1154, 85.3397, 92.9350**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4473, 48.1634, 40.3170** is the 20% darker color. If you saturate the color by 10%, you get **71.9386, 84.4801, 61.5178**, and if you desaturate by 10%, it is **85.1398, 90.5572, 95.0431**.

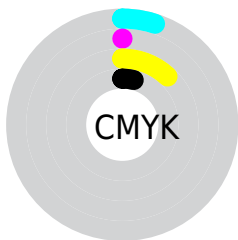
Distribution



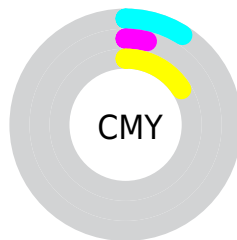
- Red (91%)
- Green (96%)
- Blue (84%)



- Red (84%)
- Yellow (96%)
- Blue (89%)



- Cyan (5%)
- Magenta (0%)
- Yellow (12%)
- Black (4%)



- Cyan (9%)
- Magenta (4%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.1969, 87.3669, 77.0321 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 78.1969, 87.3669, 77.0321 by changing the saturation by 10% instead.

78.1969, 87.3669,
77.0321

78.1969, 87.3669,
77.0321

477.6649,
519.4277, 504.3140

58.5391, 65.7989,
56.7675

129.7916,
143.6754, 130.9582

42.4871, 48.1092,
40.4105

162.4591,
179.1847, 165.4568

29.6757, 33.9133,
27.5425

200.1939,
220.1099, 205.5372

19.7394, 22.8270,
17.7451

243.3614,
266.8353, 251.6178

12.3129, 14.4658,
10.5996

292.3269,
319.7454, 304.1173

7.0309, 8.4454,
5.6875

347.4557,

3.5279, 4.3812,

379.2246, 363.4541

2.5903

409.1132,
445.6573, 430.0468

■ 1.4387, 1.8890,
0.8874

■ 0.2835, 0.5418,
0.0000

■ 78.1969, 87.3669,
77.0321

■ 78.1969, 87.3669,
77.0321

■ 71.9386, 84.4801,
61.5178

■ 85.1398, 90.5572,
95.0431

■ 66.3333, 81.8754,
48.3842

■ 91.2995, 93.4559,
107.8345

■ 61.3570, 79.5455,
37.5149

■ 91.9441, 93.7883,
107.8647

■ 56.9817, 77.4787,
28.7812

■ 53.1764, 75.6622,
22.0416

■ 49.9070, 74.0819,
17.1375

■ 47.1345, 72.7218,
13.8861

■ 44.8129, 71.5628,
12.0671

■ 43.2706, 70.7812,
11.3816

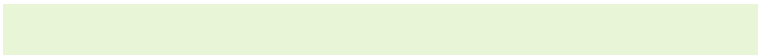
Harmonies

Analogous

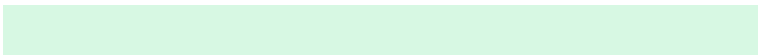
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.1485, 87.3669, 73.2075



78.1969, 87.3669, 77.0321



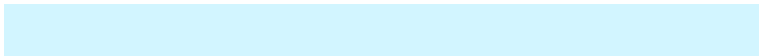
75.6108, 87.3669, 85.7429

Triad

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



78.1969, 87.3669, 77.0321



79.6946, 87.3669, 118.8017



91.6523, 87.3669, 92.5893

Complementary

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



78.1969, 87.3669, 77.0321



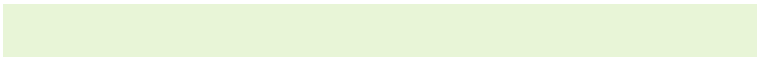
72.7802, 71.6898, 96.3924

Split Complementary

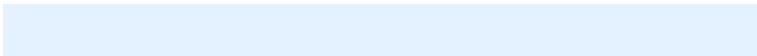
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.9397, 87.3669, 105.1734



78.1969, 87.3669, 77.0321



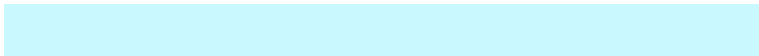
83.9372, 87.3669, 121.0374

Square

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



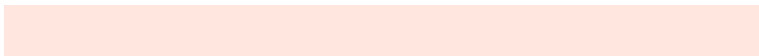
78.1969, 87.3669, 77.0321



76.4541, 87.3669, 109.9886



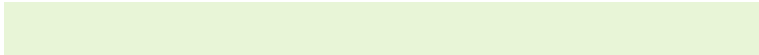
88.0783, 87.3669, 115.8560



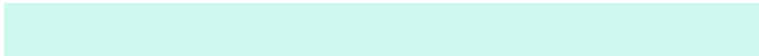
89.9928, 87.3669, 81.6696

Rectangle

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



78.1969, 87.3669, 77.0321



74.9573, 87.3669, 93.5162



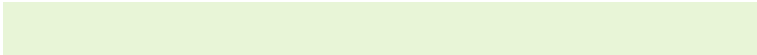
88.0783, 87.3669, 115.8560



91.6830, 87.3669, 96.7576

Sweetspot

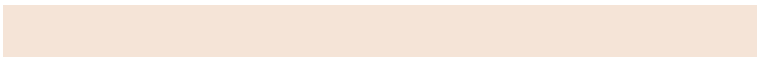
The Sweet Spot groups the original color and five complimentary colors.



78.1993, 87.3707, 77.0340



91.8431, 98.5315, 100.4040



77.6686, 79.8087, 75.6023



19.5321, 21.0320, 21.1595



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

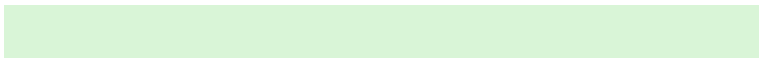
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.1993, 87.3707, 77.0340



83.6535, 94.7669, 79.3581



73.5361, 84.9667, 76.8158



17.1808, 18.9353, 17.5469



23.4713, 38.2127, 6.1387



2.1806, 3.4192, 0.5450

Inverse Universe

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



72.7802, 71.6898, 96.3924



76.5101, 74.0959, 104.8772



77.7473, 74.2505, 96.6248



16.2625, 16.2779, 20.8274



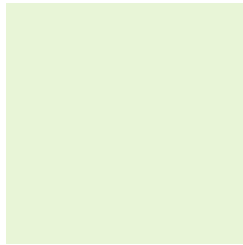
12.2450, 5.2869, 46.9131



1.1917, 0.5242, 4.1286

Previews

White Background



This preview shows how the XYZ color 78.1969, 87.3669, 77.0321 looks on a white background.

Color Contrast Check

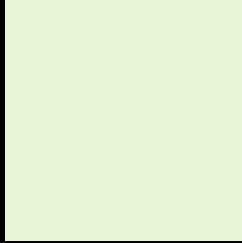
Large Text (above 18pt) WCAG AA × Fail

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 78.1969, 87.3669, 77.0321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

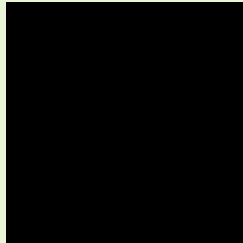
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

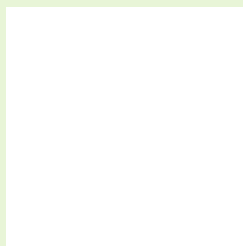
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.1969, 87.3669, 77.0321

Background



This preview shows how black text looks on a background with the XYZ color 78.1969, 87.3669, 77.0321.

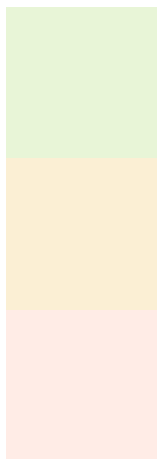


This preview shows how white text looks on a background with the XYZ color 78.1969, 87.3669,

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

78.1969, 87.3669, 77.0321

Protanopia

82.5338, 86.9957, 74.7292

Deuteranopia

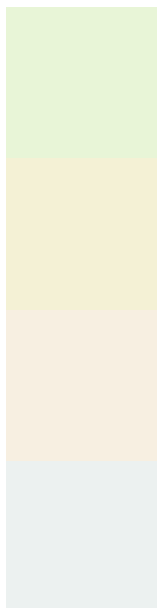
85.5184, 86.9641, 87.1414



Tritanopia

84.5131, 87.3037, 107.0047

Trichromacy



Original Color

78.1969, 87.3669, 77.0321

Protanomaly

80.7738, 86.9478, 75.4762

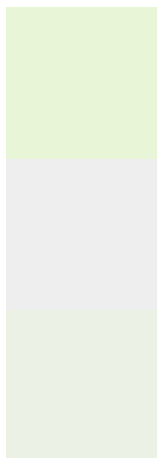
Deuteranomaly

82.8149, 86.9434, 83.6511

Tritanomaly

81.7755, 87.0347, 94.9274

Monochromacy



Original Color

78.1969, 87.3669, 77.0321

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.3303, 86.4566, 87.3169

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.1969, 87.3669, 77.0321 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(232, 245, 215) looks like.

```
.text, #text, p{  
    color:rgb(232, 245, 215)  
}
```

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(232, 245, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 245, 215) }
```

Border

The CSS property to change the border of an element to XYZ 78.1969, 87.3669, 77.0321 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(232, 245, 215) }
```


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

```
.border{ border-color:rgb(232, 245, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 245, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 245, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 245, 215);  
box-shadow:4px 4px 4px 4px rgb(232, 245,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 78.1969, 87.3669, 77.0321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 245, 215) }
```

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

```
.background{ background-color: rgb(232,  
245, 215) }
```

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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