

Converting Colors

XYZ(77.9800, 89.8035, 73.2937)

Have a look what the booklet for
XYZ(77.9800, 89.8035, 73.2937)
contains.

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Color

**XYZ(78.0073, 89.6327,
73.5110)**

Conversions

Conversions Part 1

Format	Color
Hex	E5FAD1
RGB	229, 250, 209
RGB Percent	90%, 98%, 82%
CMY	0.1020, 0.0196, 0.1804
CMYK	0.08, 0.00, 0.16, 0.02
HSL	91°, 80%, 90%
HSV	91°, 16%, 98%
XYZ	78.0073, 89.6327, 73.5110
YIQ	239.0470, 0.6450, -17.2030

Conversions

Conversions Part 2

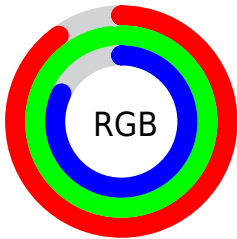
Format	Color
R_{YB}	209, 250, 230
Decimal	15071953
CIE _{Lab}	95.84, -13.95, 17.38
CIE _{LCh}	96, 22.290, 128.758
Yxy	89.6327, 0.3235, 0.3717
Android (android.graphics.Color)	4293262033 (0xFFE5FAD1)
YUV	239.0470, -14.8132, -8.8112
Hunter-Lab	94.6745, -18.6050, 20.2359

Details

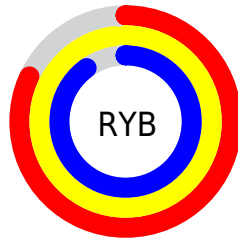
The XYZ color **78.0073, 89.6327, 73.5110** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **72.6926, 69.3286, 99.9978**, and the grayscale version is **82.1941, 86.4746, 94.1709**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3581, 49.8009, 37.9519** is the 20% darker color. If you saturate the color by 10%, you get **71.2155, 86.4641, 58.2840**, and if you desaturate by 10%, it is **85.5911, 93.1588, 91.3142**.

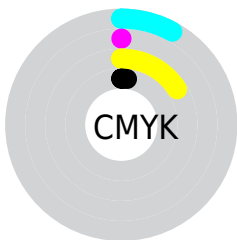
Distribution



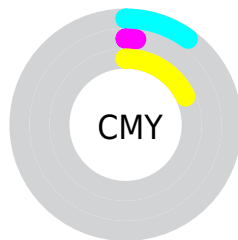
- Red (90%)
- Green (98%)
- Blue (82%)



- Red (82%)
- Yellow (98%)
- Blue (90%)



- Cyan (8%)
- Magenta (0%)
- Yellow (16%)
- Black (2%)




- Cyan (10%)
- Magenta (2%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.0073, 89.6327, 73.5110 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 78.0073, 89.6327, 73.5110 by changing the saturation by 10% instead.


 78.0073, 89.6327,
73.5110

 78.0073, 89.6327,
73.5110

477.0311,
526.8353, 491.9021

 58.3828, 67.6760,
53.8995

129.5257,
146.8281, 125.9300

 42.3609, 49.6342,
38.1287

162.1503,
182.8356, 159.5746

 29.5763, 35.1229,
25.7800


199.8390,
224.2956, 198.7341

 19.6637, 23.7575,
16.4348

242.9571,
271.5923, 243.8268

 12.2577, 15.1539,
9.6747

291.8701,
325.1103, 295.2715

 6.9929, 8.9274,
5.0810

346.9431,

 3.5039, 4.6939,

385.2338, 353.4866

2.2353

408.5417,
452.3474, 418.8906

■ 1.4255, 2.0688,
0.6946

■ 0.2743, 0.6470,
0.0000

■ 78.0073, 89.6327,
73.5110

■ 78.0073, 89.6327,
73.5110

■ 71.2155, 86.4641,
58.2840

■ 85.5911, 93.1588,
91.3142

■ 65.1796, 83.6290,
45.5079

■ 93.3359, 96.7819,
108.3692

■ 59.8709, 81.1181,
35.0562

■ 93.4774, 96.8549,
108.3758

■ 55.2558, 78.9171,
26.7881

■ 51.2976, 77.0106,
20.5482

■ 47.9555, 75.3814,
16.1600

■ 45.1825, 74.0097,
13.4171

■ 42.9215, 72.8718,
12.0618

■ 42.2044, 72.5078,
11.7710

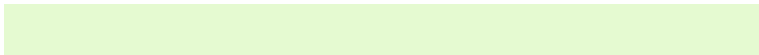
Harmonies

Analogous

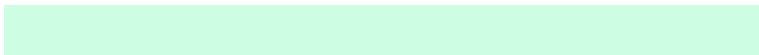
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.4065, 89.6327, 67.8216



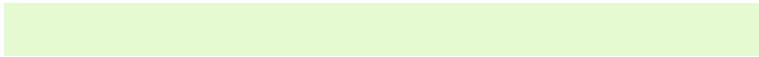
78.0073, 89.6327, 73.5110



74.6467, 89.6327, 85.8393

Triad

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



78.0073, 89.6327, 73.5110



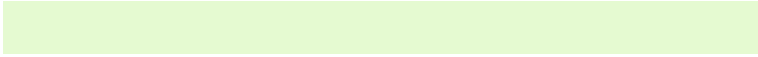
80.9830, 89.6327, 132.6596



97.4145, 89.6327, 92.5318

Complementary

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



78.0073, 89.6327, 73.5110



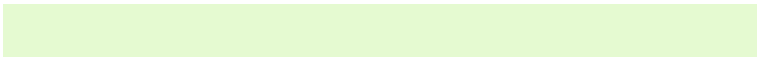
72.6926, 69.3286, 99.9978

Split Complementary

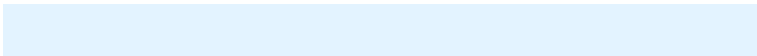
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.6890, 89.6327, 110.3773



78.0073, 89.6327, 73.5110



87.0052, 89.6327, 135.0107

Square

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



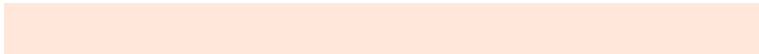
78.0073, 89.6327, 73.5110



76.3064, 89.6327, 120.3522



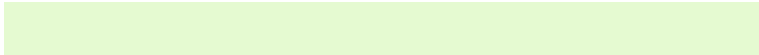
92.8074, 89.6327, 126.4363



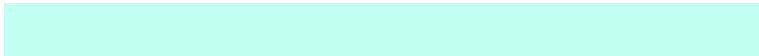
94.7445, 89.6327, 77.9038

Rectangle

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



78.0073, 89.6327, 73.5110



73.9165, 89.6327, 96.8631



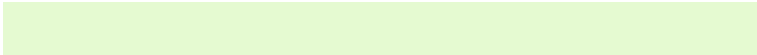
92.8074, 89.6327, 126.4363



97.5622, 89.6327, 98.3302

Sweetspot

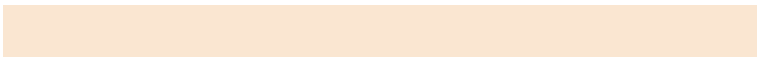
The Sweet Spot groups the original color and five complimentary colors.



78.0097, 89.6366, 73.5129



90.7024, 97.9881, 98.3345



79.0943, 81.2465, 71.8363



19.2869, 20.9146, 20.7420



0.0000, 0.0000, 0.0000



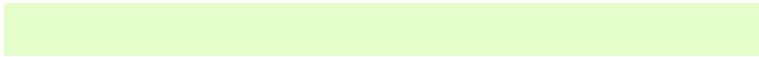
20.3446, 21.4041, 23.3091

Same Dimension

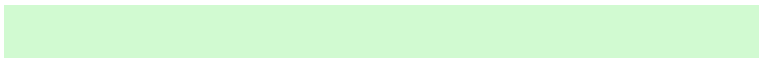
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.0097, 89.6366, 73.5129



78.9321, 92.5170, 70.8241



71.9914, 86.5340, 73.2313



17.8233, 19.7247, 18.3303



22.5503, 38.5434, 6.2511



2.2105, 3.6326, 0.5847

Inverse Universe

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



72.6926, 69.3286, 99.9978



72.3163, 67.2495, 103.7767



79.4836, 72.8295, 100.3156



17.1310, 17.0801, 21.7792



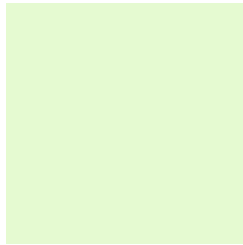
14.0469, 6.1841, 48.4269



1.4234, 0.6359, 4.4909

Previews

White Background



This preview shows how the XYZ color 78.0073, 89.6327, 73.5110 looks on a white background.

Color Contrast Check

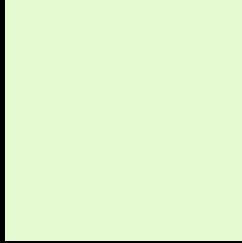
Large Text (above 18pt) WCAG AA × Fail

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 78.0073, 89.6327, 73.5110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

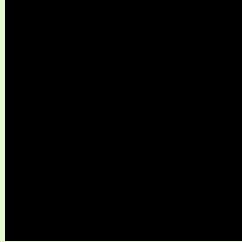
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

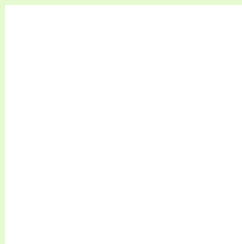
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.0073, 89.6327, 73.5110

Background



This preview shows how black text looks on a background with the XYZ color 78.0073, 89.6327, 73.5110.

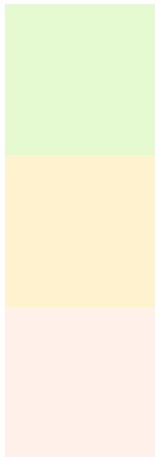


This preview shows how white text looks on a background with the XYZ color 78.0073, 89.6327,

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

78.0073, 89.6327, 73.5110

Protanopia

84.2546, 89.2693, 71.8215

Deuteranopia

87.1081, 89.4634, 89.7679



Tritanopia

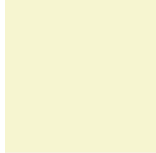
85.6972, 89.6719, 107.3994

Trichromacy



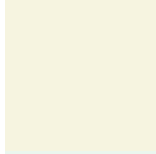
Original Color

78.0073, 89.6327, 73.5110



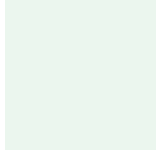
Protanomaly

82.0436, 89.4517, 72.6163



Deuteranomaly

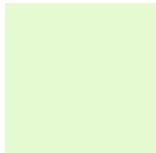
83.8113, 89.6760, 83.4129



Tritanomaly

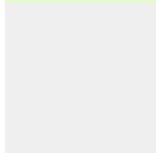
82.6493, 89.7467, 93.8557

Monochromacy



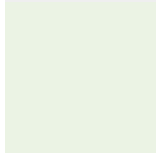
Original Color

78.0073, 89.6327, 73.5110



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

80.3151, 87.3648, 86.0288

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.0073, 89.6327, 73.5110 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(229, 250, 209)` looks like.

```
.text, #text, p{  
    color:rgb(229, 250, 209)  
}
```

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(229, 250, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 250, 209) }
```

Border

The CSS property to change the border of an element to XYZ 78.0073, 89.6327, 73.5110 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(229, 250, 209) }
```


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

```
.border{ border-color:rgb(229, 250, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 250, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 250, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 250, 209);  
box-shadow:4px 4px 4px 4px rgb(229, 250,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 78.0073, 89.6327, 73.5110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 250, 209) }
```

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

```
.background{ background-color: rgb(229,  
250, 209) }
```

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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