

Converting Colors

XYZ(77.3788, 89.4844, 73.2810)

Have a look what the booklet for
XYZ(77.3788, 89.4844, 73.2810)
contains.

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Color

**XYZ(77.3728, 89.3056,
73.4813)**

Conversions

Conversions Part 1

Format	Color
Hex	E3FAD1
RGB	227, 250, 209
RGB Percent	89%, 98%, 82%
CMY	0.1098, 0.0196, 0.1804
CMYK	0.09, 0.00, 0.16, 0.02
HSL	94°, 80%, 90%
HSV	94°, 16%, 98%
XYZ	77.3728, 89.3056, 73.4813
YIQ	238.4490, -0.5470, -17.6270

Conversions

Conversions Part 2

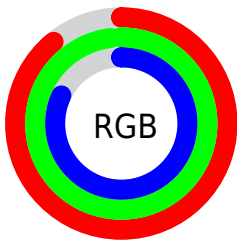
Format	Color
RYB	209, 250, 232
Decimal	14940881
CIELab	95.71, -14.64, 17.17
CIELCh	96, 22.565, 130.451
Yxy	89.3056, 0.3222, 0.3719
Android (android.graphics.Color)	4293130961 (0xFFE3FAD1)
YUV	238.4490, -14.5184, -10.0408
Hunter-Lab	94.5016, -19.2318, 20.0492

Details

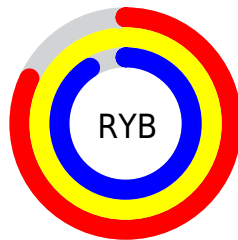
The XYZ color **77.3728, 89.3056, 73.4813** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **73.3381, 69.6613, 100.0279**, and the grayscale version is **81.7275, 85.9837, 93.6362**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6973, 49.1309, 37.8574** is the 20% darker color. If you saturate the color by 10%, you get **70.2726, 85.9780, 58.2398**, and if you desaturate by 10%, it is **85.3241, 93.0211, 91.3017**.

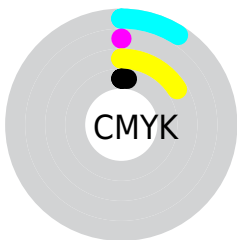
Distribution



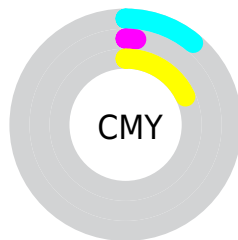
- Red (89%)
- Green (98%)
- Blue (82%)



- Red (82%)
- Yellow (98%)
- Blue (91%)



- Cyan (9%)
- Magenta (0%)
- Yellow (16%)
- Black (2%)



- Cyan (11%)
- Magenta (2%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3728, 89.3056, 73.4813 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 77.3728, 89.3056, 73.4813 by changing the saturation by 10% instead.

77.3728, 89.3056,
73.4813

77.3728, 89.3056,
73.4813

474.9066,
525.7694, 491.7967

57.8599, 67.4049,
53.8754

128.6356,
146.3735, 125.8875

41.9388, 49.4137,
38.1095

161.1163,
182.3094, 159.5248

29.2443, 34.9478,
25.7652

198.6502,
223.6925, 198.6764

19.4109, 23.6226,
16.4239

241.6028,
270.9071, 243.7608

12.0733, 15.0539,
9.6670

290.3394,
324.3378, 295.1964

6.8662, 8.8572,
5.0760

345.2253,

3.4241, 4.6482,

384.3688, 353.4019

2.2324

406.6259,
451.3845, 418.7958

■ 1.3818, 2.0424,
0.6930

■ 0.2432, 0.6319,
0.0000

■ 77.3728, 89.3056,
73.4813

■ 77.3728, 89.3056,
73.4813

■ 70.2726, 85.9780,
58.2398

■ 85.3241, 93.0211,
91.3017

■ 63.9850, 83.0131,
45.4520

■ 93.4774, 96.8548,
108.3758

■ 58.4793, 80.4007,
34.9910

■ 53.7196, 78.1252,
26.7163

■ 49.6668, 76.1699,
20.4719

■ 46.2774, 74.5163,
16.0815

■ 43.5016, 73.1431,
13.3385

■ 41.2795, 72.0252,
11.9850

■ 40.5859, 71.6734,
11.6953

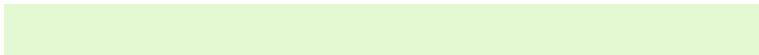
Harmonies

Analogous

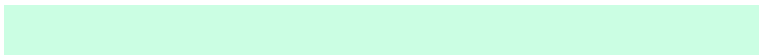
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.7359, 89.3056, 67.3525



77.3728, 89.3056, 73.4813



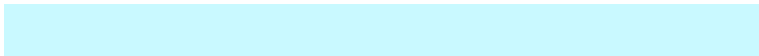
74.1259, 89.3056, 86.2453

Triad

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



77.3728, 89.3056, 73.4813



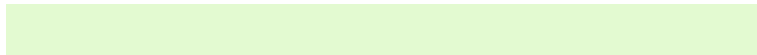
80.9516, 89.3056, 133.1320



97.1670, 89.3056, 91.1697

Complementary

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



77.3728, 89.3056, 73.4813



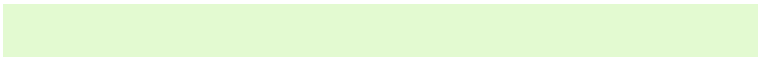
73.3381, 69.6613, 100.0279

Split Complementary

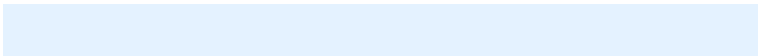
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.6319, 89.3056, 109.1285



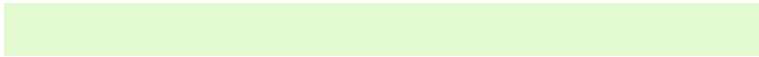
77.3728, 89.3056, 73.4813



87.0655, 89.3056, 134.8693

Square

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



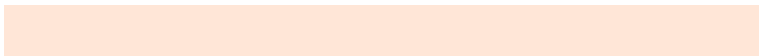
77.3728, 89.3056, 73.4813



76.1214, 89.3056, 121.1408



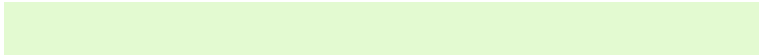
92.8626, 89.3056, 125.6331



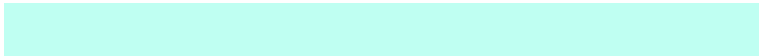
94.2909, 89.3056, 76.7074

Rectangle

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



77.3728, 89.3056, 73.4813



73.4996, 89.3056, 97.5082



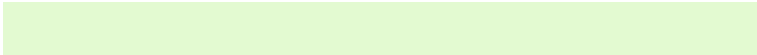
92.8626, 89.3056, 125.6331



97.3834, 89.3056, 96.9696

Sweetspot

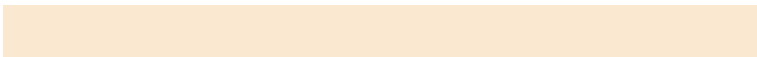
The Sweet Spot groups the original color and five complimentary colors.



77.3752, 89.3095, 73.4832



90.4817, 97.8743, 98.3241



79.6666, 82.3911, 72.0271



19.2334, 20.8870, 20.7395



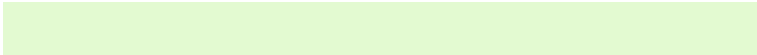
0.0000, 0.0000, 0.0000



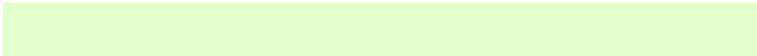
20.3446, 21.4041, 23.3091

Same Dimension

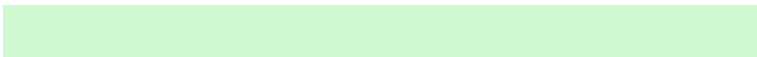
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.3752, 89.3095, 73.4832



78.1446, 92.1110, 70.7873



72.2469, 86.6362, 74.5770



17.7404, 19.6819, 18.3264



21.6856, 38.0976, 6.2106



2.1279, 3.5900, 0.5808

Inverse Universe

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



73.3381, 69.6613, 100.0279



73.1209, 67.6643, 103.8144



79.1638, 72.7015, 98.6313



17.2147, 17.1233, 21.7831



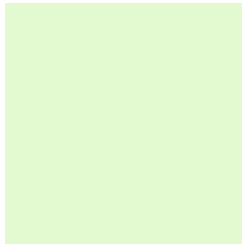
15.0810, 6.7172, 48.4752



1.5185, 0.6849, 4.4953

Previews

White Background



This preview shows how the XYZ color 77.3728, 89.3056, 73.4813 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 77.3728, 89.3056, 73.4813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

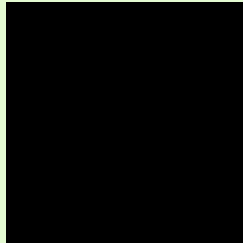
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

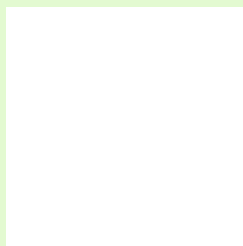
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.3728, 89.3056, 73.4813

Background



This preview shows how black text looks on a background with the XYZ color 77.3728, 89.3056, 73.4813.

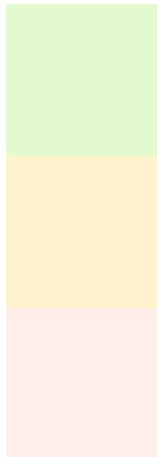


This preview shows how white text looks on a background with the XYZ color 77.3728, 89.3056,

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

77.3728, 89.3056, 73.4813

Protanopia

84.0116, 89.1720, 70.5416

Deuteranopia

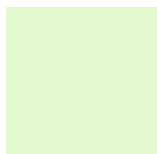
86.6720, 88.8192, 88.9196



Tritanopia

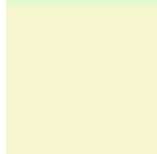
85.3605, 89.4983, 107.3837

Trichromacy



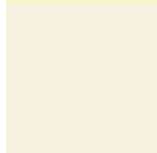
Original Color

77.3728, 89.3056, 73.4813



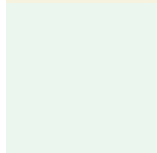
Protanomaly

81.4492, 89.1735, 71.3119



Deuteranomaly

83.1613, 88.8955, 83.2965



Tritanomaly

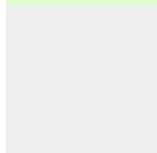
82.3201, 89.5770, 93.8403

Monochromacy



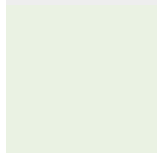
Original Color

77.3728, 89.3056, 73.4813



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

79.5489, 86.5427, 85.1848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.3728, 89.3056, 73.4813 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(227, 250, 209)` looks like.

```
.text, #text, p{  
    color:rgb(227, 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(227, 250, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 250, 209) }
```

Border

The CSS property to change the border of an element to XYZ 77.3728, 89.3056, 73.4813 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(227, 250, 209) }
```


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

```
.border{ border-color:rgb(227, 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(227, 250, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 250, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 250, 209);  
box-shadow:4px 4px 4px 4px rgb(227, 250,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 77.3728, 89.3056, 73.4813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 250, 209) }
```

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

```
.background{ background-color: rgb(227,  
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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