

Converting Colors

XYZ(78.8127, 87.6160, 78.5070)

Have a look what the booklet for
XYZ(78.8127, 87.6160, 78.5070)
contains.

XYZ(78.7811, 87.6382, 78.4093)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(78.7811, 87.6382,
78.4093)**

Conversions

Conversions Part 1

Format	Color
Hex	E9F5D9
RGB	233, 245, 217
RGB Percent	91%, 96%, 85%
CMY	0.0863, 0.0392, 0.1490
CMYK	0.05, 0.00, 0.11, 0.04
HSL	86°, 58%, 91%
HSV	86°, 11%, 96%
XYZ	78.7811, 87.6382, 78.4093
YIQ	238.2200, 1.8360, -11.2520

Conversions

Conversions Part 2

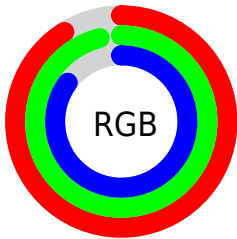
Format	Color
R _Y B	217, 245, 229
Decimal	15332825
CIE Lab	95.01, -8.81, 12.13
CIE LCh	95, 14.989, 125.994
Yxy	87.6382, 0.3218, 0.3580
Android (android.graphics.Color)	4293522905 (0xFFE9F5D9)
YUV	238.2200, -10.4615, -4.5779
Hunter-Lab	93.6153, -13.6117, 15.8712

Details

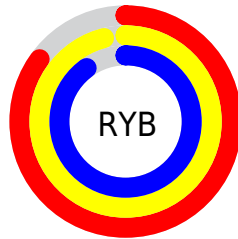
The XYZ color **78.7811, 87.6382, 78.4093** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **73.6108, 72.8787, 96.5781**, and the grayscale version is **81.5180, 85.7633, 93.3962**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.8506, 48.3509, 41.2566** is the 20% darker color. If you saturate the color by 10%, you get **72.5014, 84.7448, 62.6970**, and if you desaturate by 10%, it is **85.7428, 90.8337, 96.6267**.

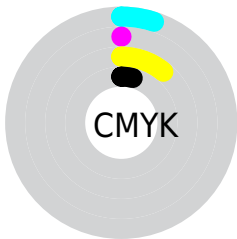
Distribution



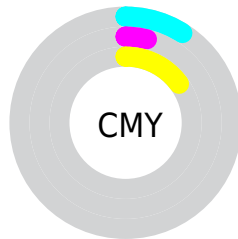
- Red (91%)
- Green (96%)
- Blue (85%)



- Red (85%)
- Yellow (96%)
- Blue (90%)



- Cyan (5%)
- Magenta (0%)
- Yellow (11%)
- Black (4%)



- Cyan (9%)
- Magenta (4%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.7811, 87.6382, 78.4093 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 78.7811, 87.6382, 78.4093 by changing the saturation by 10% instead.

78.7811, 87.6382,
78.4093

78.7811, 87.6382,
78.4093

479.6148,
520.3177, 509.1204

59.0209, 66.0235,
57.8918

130.6102,
144.0534, 132.9181

42.8763, 48.2915,
41.3076

163.4098,
179.6226, 167.7464

29.9822, 34.0578,
28.2380

201.2865,
220.6121, 208.1822

19.9731, 22.9380,
18.2645

244.6057,
267.4063, 254.6438

12.4836, 14.5477,
10.9687

293.7328,
320.3895, 307.5499

7.1485, 8.5026,
5.9319

349.0331,

3.6023, 4.4182,

379.9462, 367.3191

2.7356

410.8720,
446.4608, 434.3697

■ 1.4797, 1.9101,
0.9613

■ 0.3120, 0.5545,
0.0000

■ 78.7811, 87.6382,
78.4093

■ 78.7811, 87.6382,
78.4093

■ 72.5014, 84.7448,
62.6970

■ 85.7428, 90.8337,
96.6267

■ 66.8723, 82.1319,
49.3747

■ 91.5796, 93.6004,
107.8477

■ 61.8703, 79.7926,
38.3263

■ 91.9441, 93.7883,
107.8647

■ 57.4674, 77.7153,
29.4243

■ 53.6332, 75.8874,
22.5284

■ 50.3340, 74.2949,
17.4816

■ 47.5314, 72.9220,
14.1034

■ 45.1803, 71.7501,
12.1772

■ 43.4659, 70.8819,
11.3907

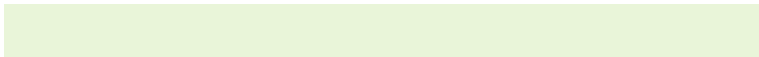
Harmonies

Analogous

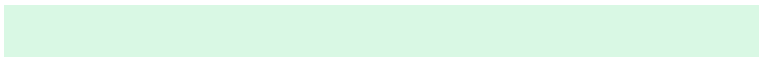
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.4827, 87.6382, 74.8181



78.7811, 87.6382, 78.4093



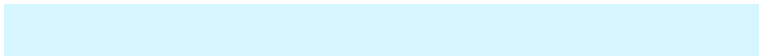
76.3492, 87.6382, 86.5897

Triad

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



78.7811, 87.6382, 78.4093



80.1531, 87.6382, 117.4031



91.3279, 87.6382, 93.1012

Complementary

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



78.7811, 87.6382, 78.4093



73.6108, 72.8787, 96.5781

Split Complementary

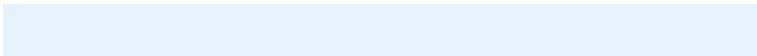
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.6550, 87.6382, 104.8377



78.7811, 87.6382, 78.4093



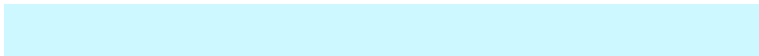
84.1176, 87.6382, 119.5013

Square

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



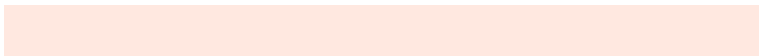
78.7811, 87.6382, 78.4093



77.1231, 87.6382, 109.2145



87.9833, 87.6382, 114.7356



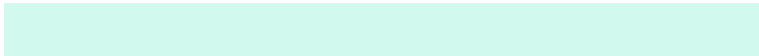
89.7929, 87.6382, 82.8446

Rectangle

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



78.7811, 87.6382, 78.4093



75.7300, 87.6382, 93.8654



87.9833, 87.6382, 114.7356



91.3530, 87.6382, 96.9980

Sweetspot

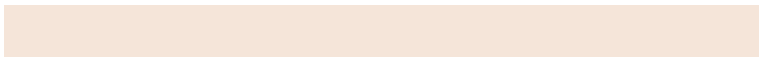
The Sweet Spot groups the original color and five complimentary colors.



78.7835, 87.6420, 78.4112



92.6464, 98.9004, 102.4858



78.1110, 80.2796, 77.0256



19.6951, 21.1069, 21.5786



0.0000, 0.0000, 0.0000



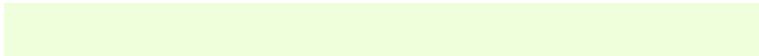
20.3446, 21.4041, 23.3091

Same Dimension

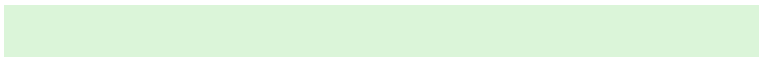
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.7835, 87.6420, 78.4112



84.4179, 95.1225, 81.1363



74.4933, 85.4303, 78.2104



17.1887, 18.9393, 17.5473



23.5764, 38.2669, 6.1436



2.1896, 3.4239, 0.5455

Inverse Universe

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



73.6108, 72.8787, 96.5781



77.5900, 75.6345, 105.1172



78.1447, 75.2160, 96.7903



16.2548, 16.2740, 20.8270



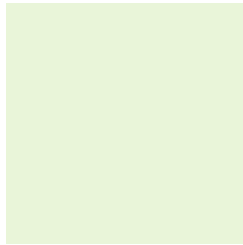
12.1700, 5.2482, 46.9096



1.1848, 0.5206, 4.1283

Previews

White Background



This preview shows how the XYZ color 78.7811, 87.6382, 78.4093 looks on a white background.

Color Contrast Check

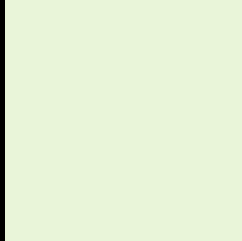
Large Text (above 18pt) WCAG AA × Fail

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 78.7811, 87.6382, 78.4093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

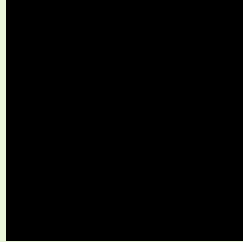
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

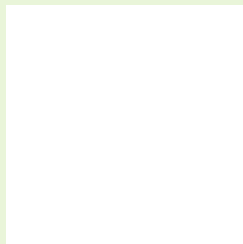
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.7811, 87.6382, 78.4093

Background



This preview shows how black text looks on a background with the XYZ color 78.7811, 87.6382, 78.4093.

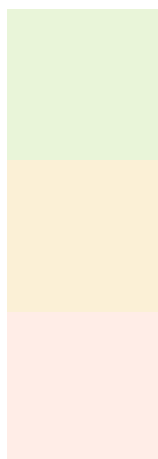


This preview shows how white text looks on a background with the XYZ color 78.7811, 87.6382,

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

78.7811, 87.6382, 78.4093

Protanopia

83.0813, 87.6844, 76.1643

Deuteranopia

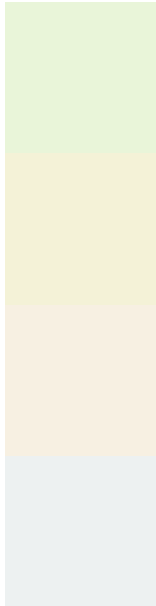
85.9480, 87.5979, 87.9794



Tritanopia

84.5131, 87.3037, 107.0047

Trichromacy



Original Color

78.7811, 87.6382, 78.4093

Protanomaly

81.3261, 87.6437, 76.9206

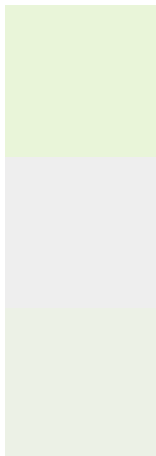
Deuteranomaly

83.2453, 87.5853, 84.4697

Tritanomaly

82.2575, 87.2660, 95.7277

Monochromacy



Original Color

78.7811, 87.6382, 78.4093

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 78.7811, 87.6382, 78.4093 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(233, 245, 217) looks like.

```
.text, #text, p{  
    color:rgb(233, 245, 217)  
}
```

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(233, 245, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 245, 217) }
```

Border

The CSS property to change the border of an element to XYZ 78.7811, 87.6382, 78.4093 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(233, 245, 217) }
```


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

```
.border{ border-color:rgb(233, 245, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 245, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 245, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 245, 217);  
box-shadow:4px 4px 4px 4px rgb(233, 245,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 78.7811, 87.6382, 78.4093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 245, 217) }
```

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

```
.background{ background-color: rgb(233,  
245, 217) }
```

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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