

Converting Colors

XYZ(75.8707, 87.2127, 74.9846)

Have a look what the booklet for
XYZ(75.8707, 87.2127, 74.9846)
contains.

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Color

**XYZ(75.8849, 87.1223,
75.1041)**

Conversions

Conversions Part 1

Format	Color
Hex	E0F7D4
RGB	224, 247, 212
RGB Percent	88%, 97%, 83%
CMY	0.1216, 0.0314, 0.1686
CMYK	0.09, 0.00, 0.14, 0.03
HSL	99°, 69%, 90%
HSV	99°, 14%, 97%
XYZ	75.8849, 87.1223, 75.1041
YIQ	236.1330, -2.4730, -15.7610

Conversions

Conversions Part 2

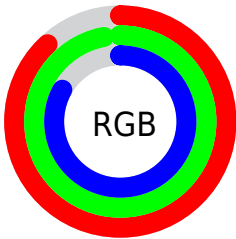
Format	Color
R_{YB}	212, 247, 235
Decimal	14743508
CIE _{Lab}	94.79, -13.70, 14.31
CIE _{LCh}	95, 19.805, 133.751
Yxy	87.1223, 0.3187, 0.3659
Android (android.graphics.Color)	4292933588 (0xFFE0F7D4)
YUV	236.1330, -11.8976, -10.6406
Hunter-Lab	93.3393, -18.2233, 17.6307

Details

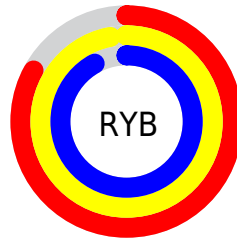
The XYZ color **75.8849, 87.1223, 75.1041** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **74.5965, 71.4670, 97.8631**, and the grayscale version is **79.9223, 84.0845, 91.5680**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.0788, 48.1309, 39.0234** is the 20% darker color. If you saturate the color by 10%, you get **68.2117, 83.5021, 59.7054**, and if you desaturate by 10%, it is **84.5200, 91.1884, 93.0395**.

Distribution



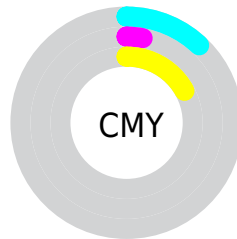
- Red (88%)
- Green (97%)
- Blue (83%)



- Red (83%)
- Yellow (97%)
- Blue (92%)



- Cyan (9%)
- Magenta (0%)
- Yellow (14%)
- Black (3%)





- Cyan (12%)
- Magenta (3%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.8849, 87.1223, 75.1041 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 75.8849, 87.1223, 75.1041 by changing the saturation by 10% instead.


 75.8849, 87.1223,
75.1041

 75.8849, 87.1223,
75.1041


469.9040,
518.6247, 497.5403

 56.6349, 65.5964,
55.1959


126.5454,
143.3346, 128.2082

 40.9511, 47.9449,
39.1590


158.6866,
178.7898, 162.2411

 28.4684, 33.7832,
26.5746


195.8555,
219.6569, 201.8195

 18.8213, 22.7271,
17.0244

238.4176,
266.3203, 247.3617

 11.6445, 14.3921,
10.0897

286.7381,
319.1644, 299.2863

 6.5725, 8.3939,
5.3521

341.1825,

 3.2402, 4.3480,

378.5735, 358.0119

2.3930

402.1160,
444.9322, 423.9571

■ 1.2820, 1.8701,
0.7826

■ 0.1697, 0.5303,
0.0000

■ 75.8849, 87.1223,
75.1041

■ 75.8849, 87.1223,
75.1041

■ 68.2117, 83.5021,
59.7054

■ 84.5200, 91.1884,
93.0395

■ 61.4582, 80.3009,
46.7236

■ 92.5525, 95.0050,
108.0675

■ 55.5896, 77.5060,
36.0372

■ 50.5660, 75.0997,
27.5124

■ 46.3438, 73.0628,
21.0013

■ 42.8754, 71.3744,
16.3374

■ 40.1067, 70.0108,
13.3276

■ 37.9744, 68.9446,
11.7359

■ 36.9792, 68.4410,
11.2614

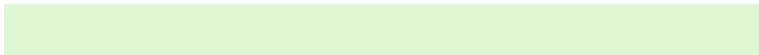
Harmonies

Analogous

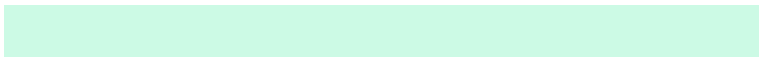
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.3822, 87.1223, 68.9905



75.8849, 87.1223, 75.1041



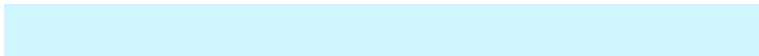
73.3046, 87.1223, 86.8425

Triad

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



75.8849, 87.1223, 75.1041



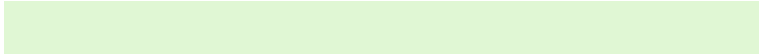
79.9577, 87.1223, 126.1022



93.2231, 87.1223, 88.0190

Complementary

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



75.8849, 87.1223, 75.1041



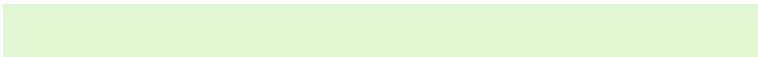
74.5965, 71.4670, 97.8631

Split Complementary

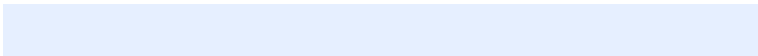
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.0973, 87.1223, 103.3592



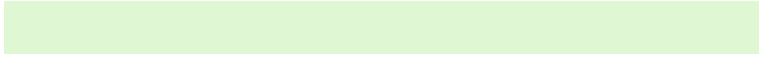
75.8849, 87.1223, 75.1041



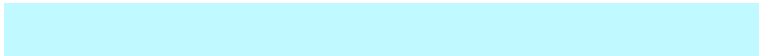
85.2804, 87.1223, 126.5050

Square

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



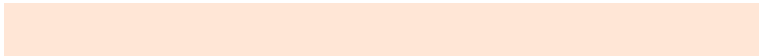
75.8849, 87.1223, 75.1041



75.5857, 87.1223, 116.7637



90.1380, 87.1223, 117.8112



90.4744, 87.1223, 75.8850

Rectangle

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



75.8849, 87.1223, 75.1041



72.9461, 87.1223, 96.8050



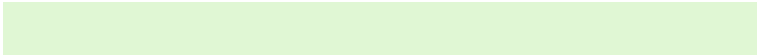
90.1380, 87.1223, 117.8112



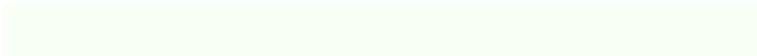
93.5191, 87.1223, 92.9440

Sweetspot

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



75.8873, 87.1261, 75.1060



91.0275, 98.1111, 100.3659



79.8818, 83.8049, 74.2544



19.3258, 20.9256, 21.1499



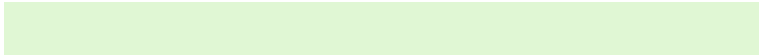
0.0000, 0.0000, 0.0000



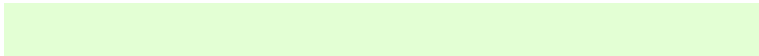
20.3446, 21.4041, 23.3091

Same Dimension

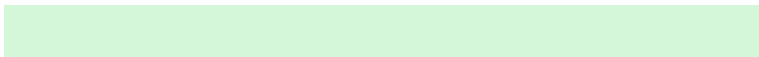
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.8873, 87.1261, 75.1060



79.1238, 92.5072, 75.7415



72.9717, 85.5453, 78.4839



16.8178, 18.7481, 17.5299



19.6927, 36.2647, 5.9619



1.8367, 3.2419, 0.5289

Inverse Universe

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



74.5965, 71.4670, 97.8631



77.4887, 72.6819, 104.5527



77.8940, 73.2593, 93.8467



16.6299, 16.4674, 20.8446



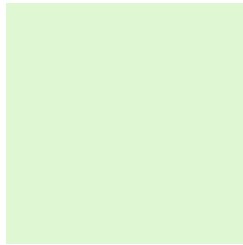
16.9529, 7.7139, 47.1334



1.5999, 0.7347, 4.1477

Previews

White Background



This preview shows how the XYZ color 75.8849, 87.1223, 75.1041 looks on a white background.

Color Contrast Check

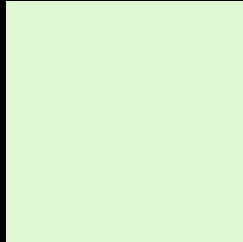
Large Text (above 18pt) WCAG AA × Fail

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 75.8849, 87.1223, 75.1041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

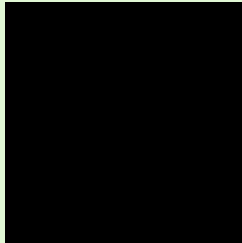
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

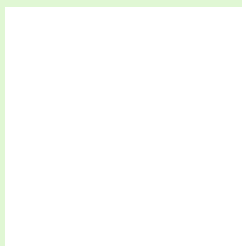
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.8849, 87.1223, 75.1041

Background



This preview shows how black text looks on a background with the XYZ color 75.8849, 87.1223, 75.1041.

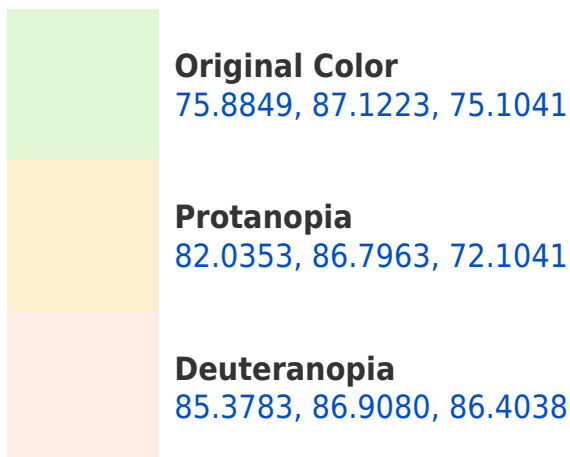


This preview shows how white text looks on a background with the XYZ color 75.8849, 87.1223,

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

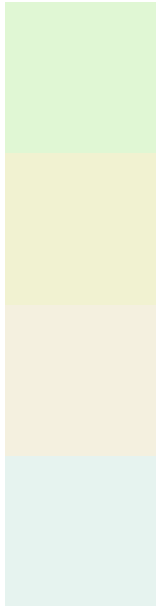




Tritanopia

82.8144, 86.8638, 107.0093

Trichromacy



Original Color

75.8849, 87.1223, 75.1041

Protanomaly

79.5364, 86.8085, 72.8853

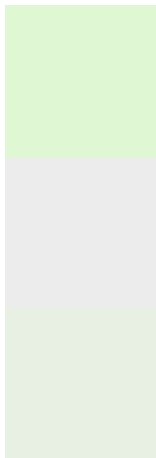
Deuteranomaly

81.7876, 86.8810, 82.2711

Tritanomaly

80.2637, 87.1562, 94.2538

Monochromacy



Original Color

75.8849, 87.1223, 75.1041

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

78.3039, 85.0220, 84.9569

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.8849, 87.1223, 75.1041 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(224, 247, 212) looks like.

```
.text, #text, p{  
    color:rgb(224, 247, 212)  
}
```

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(224, 247, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 247, 212) }
```

Border

The CSS property to change the border of an element to XYZ 75.8849, 87.1223, 75.1041 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(224, 247, 212) }
```


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

```
.border{ border-color:rgb(224, 247, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 247, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 247, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 247, 212);  
box-shadow:4px 4px 4px 4px rgb(224, 247,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 75.8849, 87.1223, 75.1041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 247, 212) }
```

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

```
.background{ background-color: rgb(224,  
247, 212) }
```

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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