

Converting Colors

XYZ(76.4099, 87.1714, 75.6670)

Have a look what the booklet for
XYZ(76.4099, 87.1714, 75.6670)
contains.

XYZ(76.6350, 87.4944, 75.7998)	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(76.6350, 87.4944,
75.7998)**

Conversions

Conversions Part 1

Format	Color
Hex	E2F7D5
RGB	226, 247, 213
RGB Percent	89%, 97%, 84%
CMY	0.1137, 0.0313, 0.1647
CMYK	0.09, 0.00, 0.14, 0.03
HSL	97°, 68%, 90%
HSV	97°, 14%, 97%
XYZ	76.6350, 87.4944, 75.7998
YIQ	236.8450, -1.6020, -15.0260

Conversions

Conversions Part 2

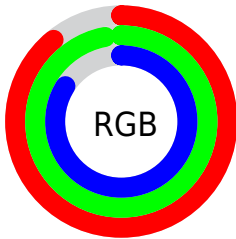
Format	Color
R_{YB}	213, 247, 234
Decimal	14874581
CIE _{Lab}	94.95, -12.85, 14.03
CIE _{LCh}	95, 19.029, 132.482
Y _{xy}	87.4944, 0.3194, 0.3647
Android (android.graphics.Color)	4293064661 (0xFFE2F7D5)
YUV	236.8450, -11.7556, -9.5111
Hunter-Lab	93.5384, -17.4492, 17.4307

Details

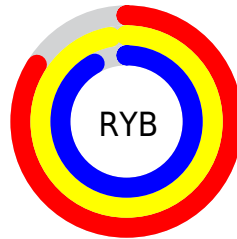
The XYZ color **76.6350, 87.4944, 75.7998** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **74.5180, 71.7988, 97.9314**, and the grayscale version is **80.4675, 84.6581, 92.1927**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5969, 48.3882, 39.4952** is the 20% darker color. If you saturate the color by 10%, you get **69.1626, 83.9799, 60.3119**, and if you desaturate by 10%, it is **85.0156, 91.4270, 93.8263**.

Distribution



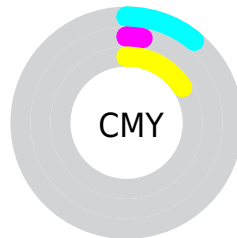
- Red (89%)
- Green (97%)
- Blue (84%)



- Red (84%)
- Yellow (97%)
- Blue (92%)



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



- Cyan (11%)
- Magenta (3%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.6350, 87.4944, 75.7998 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 76.6350, 87.4944, 75.7998 by changing the saturation by 10% instead.

76.6350, 87.4944,
75.7998

76.6350, 87.4944,
75.7998

472.4297,
519.8461, 499.9907

57.2522, 65.9044,
55.7627

127.5997,
143.8531, 129.2014

41.4487, 48.1948,
39.6100

159.9123,
179.3905, 163.4029

28.8591, 33.9812,
26.9231

197.2657,
220.3459, 203.1630

19.1180, 22.8792,
17.2836

240.0250,
267.1037, 248.9002

11.8601, 14.5043,
10.2728

288.5557,
320.0482, 301.0330

6.7200, 8.4722,
5.4722

343.2232,

3.3324, 4.3986,

379.5638, 359.9800

2.4634

404.3927,
446.0350, 426.1597

■ 1.3319, 1.8989,
0.8206

■ 0.2069, 0.5477,
0.0000

■ 76.6350, 87.4944,
75.7998

■ 76.6350, 87.4944,
75.7998

■ 69.1626, 83.9799,
60.3119

■ 85.0156, 91.4270,
93.8263

■ 62.5586, 80.8578,
47.2432

■ 92.5525, 95.0051,
108.0675

■ 56.7907, 78.1168,
36.4728

■ 51.8218, 75.7405,
27.8673

■ 47.6113, 73.7114,
21.2798

■ 44.1147, 72.0100,
16.5447

■ 41.2817, 70.6147,
13.4705

■ 39.0532, 69.5000,
11.8235

■ 37.9224, 68.9273,
11.3056

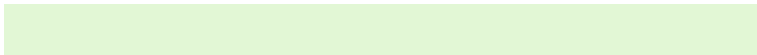
Harmonies

Analogous

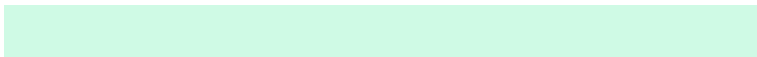
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.0337, 87.4944, 70.1167



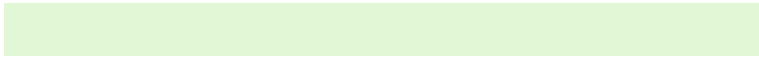
76.6350, 87.4944, 75.7998



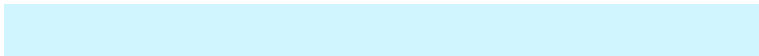
74.0487, 87.4944, 86.9623

Triad

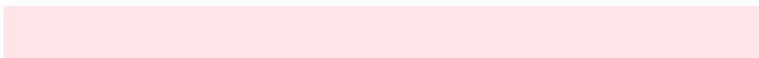
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.6350, 87.4944, 75.7998



80.2083, 87.4944, 125.0318



93.2348, 87.4944, 89.2530

Complementary

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



76.6350, 87.4944, 75.7998



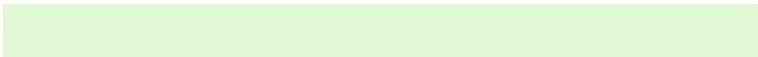
74.5180, 71.7988, 97.9314

Split Complementary

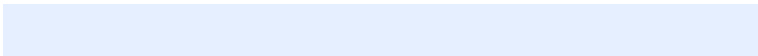
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.9913, 87.4944, 104.0832



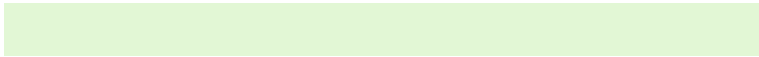
76.6350, 87.4944, 75.7998



85.3249, 87.4944, 125.8086

Square

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



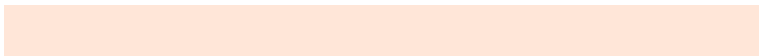
76.6350, 87.4944, 75.7998



76.0523, 87.4944, 115.7861



90.0469, 87.4944, 117.8097



90.6989, 87.4944, 77.3268

Rectangle

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



76.6350, 87.4944, 75.7998



73.6320, 87.4944, 96.5029



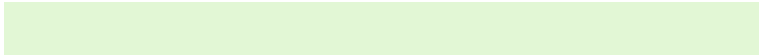
90.0469, 87.4944, 117.8097



93.4781, 87.4944, 94.0407

Sweetspot

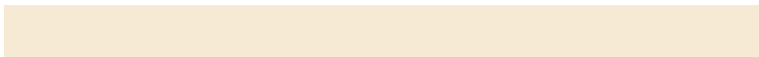
The Sweet Spot groups the original color and five complimentary colors.



76.6374, 87.4982, 75.8017



91.1707, 98.1849, 100.3726



79.7849, 83.4085, 74.8464



19.3620, 20.9443, 21.1515



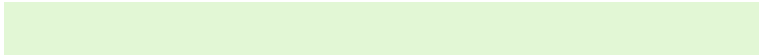
0.0000, 0.0000, 0.0000



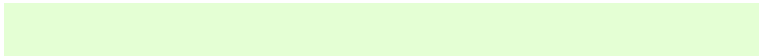
20.3446, 21.4041, 23.3091

Same Dimension

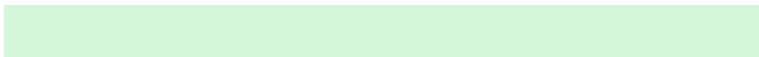
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.6374, 87.4982, 75.8017



79.6649, 92.7861, 75.7668



73.2240, 85.6796, 78.3031



16.8810, 18.7807, 17.5329



20.2009, 36.5268, 5.9857



1.8863, 3.2675, 0.5313

Inverse Universe

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



74.5180, 71.7988, 97.9314



76.9099, 72.3835, 104.5256



78.3381, 73.8381, 94.9480



16.5643, 16.4335, 20.8415



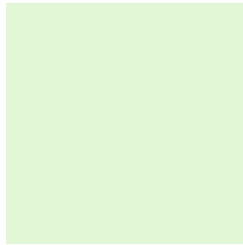
15.9476, 7.1956, 47.0864



1.5159, 0.6914, 4.1438

Previews

White Background



This preview shows how the XYZ color 76.6350, 87.4944, 75.7998 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 76.6350, 87.4944, 75.7998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

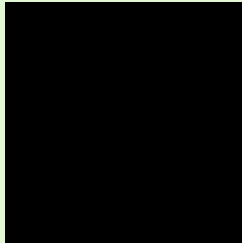
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

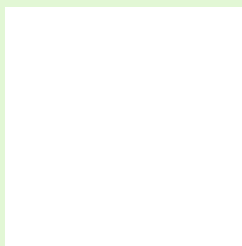
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.6350, 87.4944, 75.7998

Background



This preview shows how black text looks on a background with the XYZ color 76.6350, 87.4944, 75.7998.



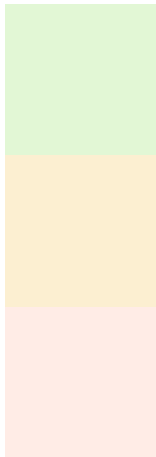
This preview shows how white text looks on a background with the XYZ color 76.6350, 87.4944,

75.7998.

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

76.6350, 87.4944, 75.7998

Protanopia

82.5200, 87.0319, 72.7712

Deuteranopia

85.5184, 86.9641, 87.1414



Tritanopia

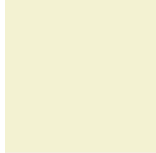
83.4710, 87.2023, 107.0401

Trichromacy



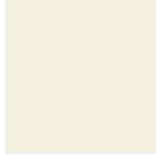
Original Color

76.6350, 87.4944, 75.7998



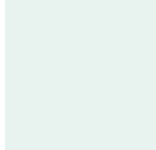
Protanomaly

80.3471, 87.2121, 73.5716



Deuteranomaly

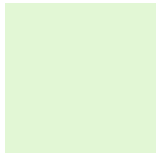
81.9229, 86.9351, 82.9834



Tritanomaly

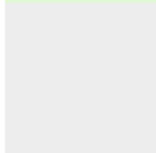
81.0575, 87.5483, 95.0644

Monochromacy



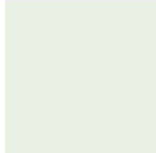
Original Color

76.6350, 87.4944, 75.7998



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

79.0632, 85.8357, 85.7997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.6350, 87.4944, 75.7998 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(226, 247, 213)` looks like.

```
.text, #text, p{  
    color:rgb(226, 247, 213)  
}
```

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(226, 247, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 247, 213) }
```

Border

The CSS property to change the border of an element to XYZ 76.6350, 87.4944, 75.7998 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(226, 247, 213) }
```


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

```
.border{ border-color:rgb(226, 247, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 247, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 247, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 247, 213);  
box-shadow:4px 4px 4px 4px rgb(226, 247,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 76.6350, 87.4944, 75.7998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 247, 213) }
```

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

```
.background{ background-color: rgb(226,  
247, 213) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor