

# Converting Colors

XYZ(76.4886, 87.2201, 75.3931)

Have a look what the booklet for  
XYZ(76.4886, 87.2201, 75.3931)  
contains.

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# Color

**XYZ(76.5085, 87.4437,  
75.1333)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2F7D4
RGB	226, 247, 212
RGB Percent	89%, 97%, 83%
CMY	0.1137, 0.0314, 0.1686
CMYK	0.09, 0.00, 0.14, 0.03
HSL	96°, 69%, 90%
HSV	96°, 14%, 97%
XYZ	76.5085, 87.4437, 75.1333
YIQ	236.7310, -1.2810, -15.3370

# Conversions

## Conversions Part 2

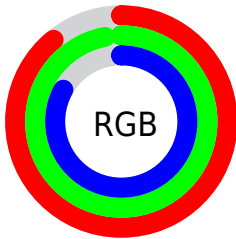
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	212, 247, 233
Decimal	14874580
CIE <sub>Lab</sub>	94.93, -13.02, 14.52
CIE <sub>LCh</sub>	95, 19.498, 131.876
Y <sub>xy</sub>	87.4437, 0.3200, 0.3657
Android (android.graphics.Color)	4293064660 (0xFFE2F7D4)
YUV	236.7310, -12.1924, -9.4111
Hunter-Lab	93.5113, -17.6009, 17.8204

# Details

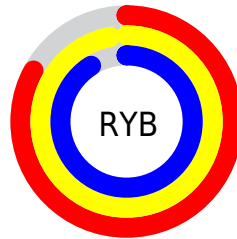
The XYZ color **76.5085, 87.4437, 75.1333** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **73.9396, 71.1284, 97.8323**, and the grayscale version is **80.3829, 84.5691, 92.0957**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5112, 48.3539, 39.0436** is the 20% darker color. If you saturate the color by 10%, you get **69.1799, 84.0011, 59.7508**, and if you desaturate by 10%, it is **84.7204, 91.2917, 93.0489**.

# Distribution



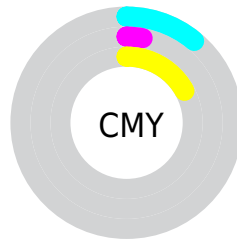
- Red (89%)
- Green (97%)
- Blue (83%)



- Red (83%)
- Yellow (97%)
- Blue (91%)



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



- Cyan (11%)
- Magenta (3%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.5085, 87.4437, 75.1333 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 76.5085, 87.4437, 75.1333 by changing the saturation by 10% instead.




 76.5085, 87.4437,  
75.1333

 76.5085, 87.4437,  
75.1333


472.0043,  
519.6797, 497.6433

 57.1481, 65.8625,  
55.2197


127.4220,  
143.7824, 128.2499

 41.3647, 48.1608,  
39.1779


159.7057,  
179.3087, 162.2899

 28.7931, 33.9542,  
26.5892


197.0280,  
220.2521, 201.8759

 19.0679, 22.8584,  
17.0353

239.7541,  
266.9970, 247.4263

 11.8236, 14.4890,  
10.0974

288.2495,  
319.9278, 299.3597

 6.6950, 8.4616,  
5.3571

342.8794,

 3.3167, 4.3917,

379.4290, 358.0946

2.3959

404.0092,  
445.8848, 424.0496

■ 1.3234, 1.8950,  
0.7842

■ 0.2006, 0.5454,  
0.0000

■ 76.5085, 87.4437,  
75.1333

■ 76.5085, 87.4437,  
75.1333

■ 69.1799, 84.0011,  
59.7508

■ 84.7204, 91.2917,  
93.0489

■ 62.6958, 80.9388,  
46.7815

■ 92.5525, 95.0049,  
108.0675

■ 57.0247, 78.2457,  
36.1044

■ 52.1304, 75.9061,  
27.5856

■ 47.9735, 73.9029,  
21.0775

■ 44.5103, 72.2172,  
16.4139

■ 41.6917, 70.8278,  
13.4018

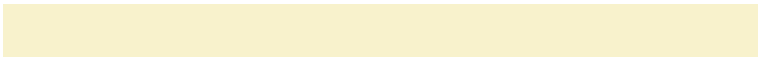
■ 39.4594, 69.7101,  
11.8054

■ 38.3849, 69.1656,  
11.3272

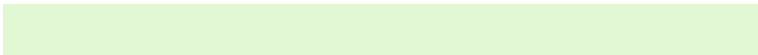
# Harmonies

## Analogous

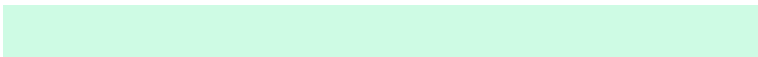
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.0377, 87.4437, 69.4633



76.5085, 87.4437, 75.1333



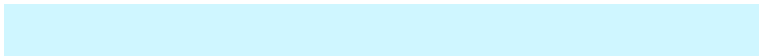
73.8190, 87.4437, 86.4372

# Triad

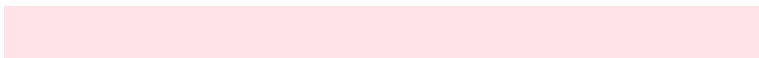
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.5085, 87.4437, 75.1333



79.9896, 87.4437, 125.6543



93.4651, 87.4437, 89.3435

# Complementary

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



76.5085, 87.4437, 75.1333



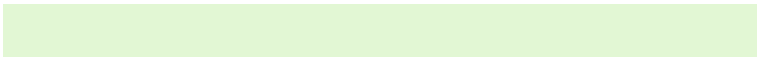
73.9396, 71.1284, 97.8323

# Split Complementary

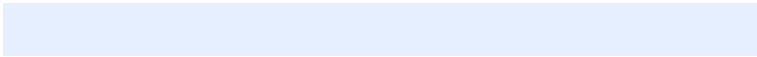
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.1552, 87.4437, 104.5600



76.5085, 87.4437, 75.1333



85.2227, 87.4437, 126.6452

# Square

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



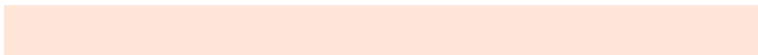
76.5085, 87.4437, 75.1333



75.7693, 87.4437, 116.0021



90.0862, 87.4437, 118.5811

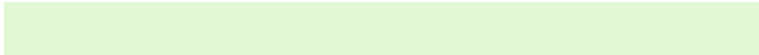


90.9156, 87.4437, 77.0661

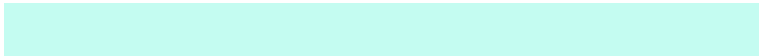


# Rectangle

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



76.5085, 87.4437, 75.1333



73.3589, 87.4437, 96.1678



90.0862, 87.4437, 118.5811



93.6947, 87.4437, 94.2612

# Sweetspot

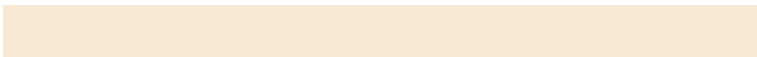
The Sweet Spot groups the original color and five complimentary colors.



76.5109, 87.4475, 75.1352



91.2349, 98.2179, 100.3756



79.3837, 82.8089, 74.0884



19.3782, 20.9527, 21.1523



0.0000, 0.0000, 0.0000

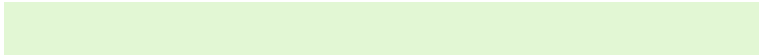


20.3446, 21.4041, 23.3091

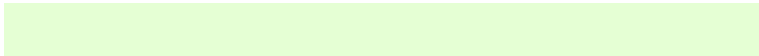


# Same Dimension

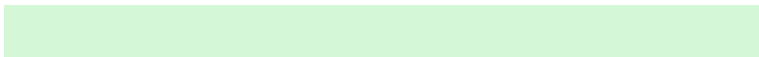
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.5109, 87.4475, 75.1352



79.9087, 92.9118, 75.7783



72.7448, 85.4544, 77.2893



16.9095, 18.7954, 17.5342



20.4493, 36.6548, 5.9973



1.9099, 3.2797, 0.5324



# Inverse Universe

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



73.9396, 71.1284, 97.8323



76.6528, 72.2509, 104.5135



78.1578, 73.3648, 95.2360



16.5350, 16.4185, 20.8402



15.5230, 6.9767, 47.0665

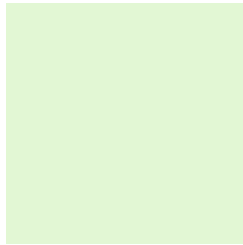


1.4801, 0.6729, 4.1421



# Previews

## White Background



This preview shows how the XYZ color 76.5085, 87.4437, 75.1333 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 76.5085, 87.4437, 75.1333 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

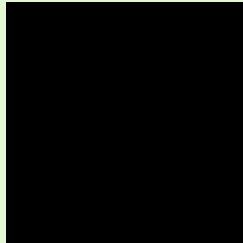
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

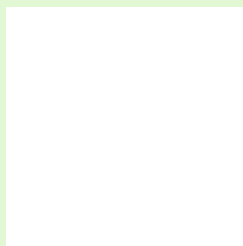
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.5085, 87.4437, 75.1333**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.5085, 87.4437, 75.1333.



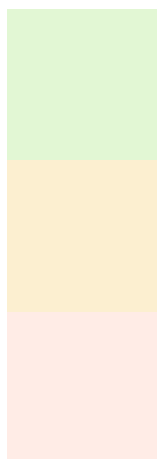
This preview shows how white text looks on a background with the XYZ color 76.5085, 87.4437,

75.1333.

# 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

76.5085, 87.4437, 75.1333

### Protanopia

82.3966, 86.9825, 72.1210

### Deuteranopia

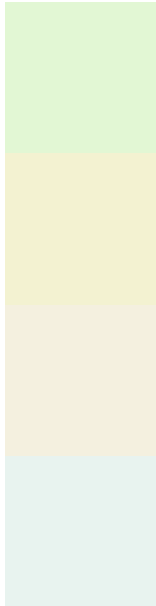
85.5184, 86.9641, 87.1414



## Tritanopia

83.4710, 87.2023, 107.0401

# Trichromacy



## Original Color

76.5085, 87.4437, 75.1333

## Protanomaly

80.2229, 87.1624, 72.9174

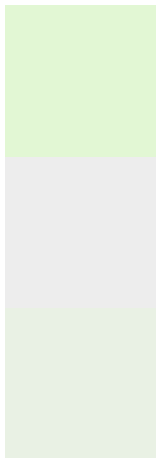
## Deuteranomaly

81.7876, 86.8810, 82.2711

## Tritanomaly

80.9093, 87.4890, 94.2840

# Monochromacy



## Original Color

76.5085, 87.4437, 75.1333

## 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 76.5085, 87.4437, 75.1333 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, 212)` looks like.

```
.text, #text, p{  
    color:rgb(226, 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(226, 247, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 247, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 76.5085, 87.4437, 75.1333 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, 212) }
```



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

```
.border{ border-color:rgb(226, 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(226, 247, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 247, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 247, 212);  
box-shadow:4px 4px 4px 4px rgb(226, 247,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.5085, 87.4437, 75.1333 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, 212) }
```

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

```
.background{ background-color: rgb(226,  
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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