

Converting Colors

XYZ(76.1774, 86.8921, 75.5845)

Have a look what the booklet for
XYZ(76.1774, 86.8921, 75.5845)
contains.

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Color

**XYZ(76.0173, 86.7232,
75.6835)**

Conversions

Conversions Part 1

Format	Color
Hex	E1F6D5
RGB	225, 246, 213
RGB Percent	88%, 96%, 84%
CMY	0.1176, 0.0353, 0.1647
CMYK	0.09, 0.00, 0.13, 0.04
HSL	98°, 65%, 90%
HSV	98°, 13%, 96%
XYZ	76.0173, 86.7232, 75.6835
YIQ	235.9590, -1.9230, -14.7150

Conversions

Conversions Part 2

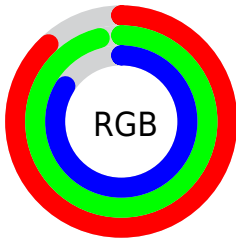
Format	Color
R _Y B	213, 246, 234
Decimal	14808789
CIE Lab	94.62, -12.70, 13.56
CIE LCh	95, 18.576, 133.113
Yxy	86.7232, 0.3188, 0.3637
Android (android.graphics.Color)	4292998869 (0xFFE1F6D5)
YUV	235.9590, -11.3188, -9.6110
Hunter-Lab	93.1253, -17.2614, 17.0024

Details

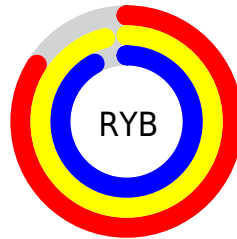
The XYZ color **76.0173, 86.7232, 75.6835** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **74.3641, 71.7372, 97.1207**, and the grayscale version is **79.7844, 83.9394, 91.4100**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.1626, 47.8416, 39.4126** is the 20% darker color. If you saturate the color by 10%, you get **68.4700, 83.1688, 60.2485**, and if you desaturate by 10%, it is **84.4906, 90.7053, 93.6378**.

Distribution



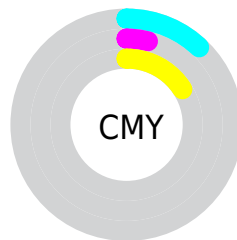
- Red (88%)
- Green (96%)
- Blue (84%)



- Red (84%)
- Yellow (96%)
- Blue (92%)



- Cyan (9%)
- Magenta (0%)
- Yellow (13%)
- Black (4%)



- Cyan (12%)
- Magenta (4%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.0173, 86.7232, 75.6835 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 76.0173, 86.7232, 75.6835 by changing the saturation by 10% instead.

76.0173, 86.7232,
75.6835

76.0173, 86.7232,
75.6835

470.3504,
517.3129, 499.5815

56.7438, 65.2662,
55.6679

126.7316,
142.7783, 129.0354

41.0389, 47.6769,
39.5345

158.9031,
178.1451, 163.2088

28.5373, 33.5711,
26.8648

196.1046,
218.9173, 202.9386

18.8736, 22.5643,
17.2402

238.7016,
265.4793, 248.6432

11.6824, 14.2721,
10.2421

287.0592,
318.2154, 300.7413

6.5985, 8.3102,
5.4521

341.5430,

3.2564, 4.2941,

377.5101, 359.6513

2.4515

402.5183,
443.7478, 425.7919

■ 1.2907, 1.8394,
0.8143

■ 0.1763, 0.5115,
0.0000

■ 76.0173, 86.7232,
75.6835

■ 76.0173, 86.7232,
75.6835

■ 68.4700, 83.1688,
60.2485

■ 84.4906, 90.7053,
93.6378

■ 61.8084, 80.0162,
47.2147

■ 92.2475, 94.3950,
107.9658

■ 55.9996, 77.2536,
36.4628

■ 51.0055, 74.8643,
27.8611

■ 46.7850, 72.8302,
21.2645

■ 43.2928, 71.1315,
16.5098

■ 40.4778, 69.7460,
13.4083

■ 38.2802, 68.6480,
11.7308

■ 37.1196, 68.0607,
11.1806

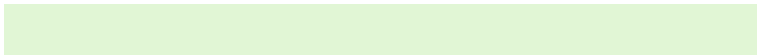
Harmonies

Analogous

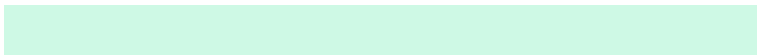
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.2613, 86.7232, 70.0238



76.0173, 86.7232, 75.6835



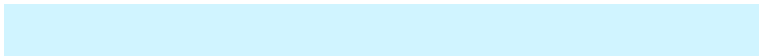
73.5486, 86.7232, 86.6368

Triad

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



76.0173, 86.7232, 75.6835



79.6609, 86.7232, 123.3650



92.1710, 86.7232, 88.3044

Complementary

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



76.0173, 86.7232, 75.6835



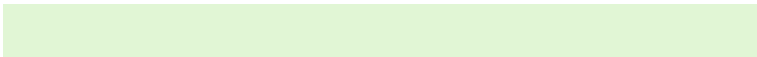
74.3641, 71.7372, 97.1207

Split Complementary

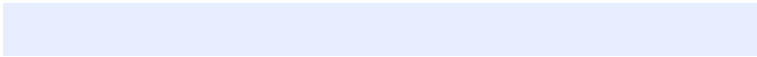
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.9943, 86.7232, 102.6703



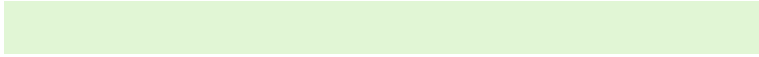
76.0173, 86.7232, 75.6835



84.6329, 86.7232, 123.9278

Square

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



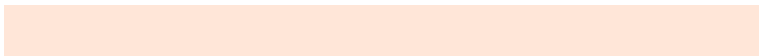
76.0173, 86.7232, 75.6835



75.5931, 86.7232, 114.5667



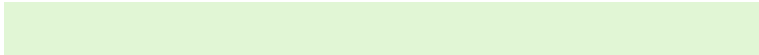
89.1889, 86.7232, 116.0343



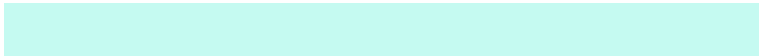
89.6625, 86.7232, 76.7974

Rectangle

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



76.0173, 86.7232, 75.6835



73.1774, 86.7232, 95.9333



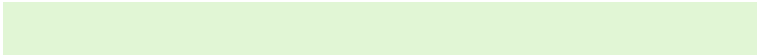
89.1889, 86.7232, 116.0343



92.4266, 86.7232, 92.9362

Sweetspot

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



76.0196, 86.7269, 75.6854



91.1028, 98.1499, 100.3694



79.4141, 83.1893, 74.8236



19.3448, 20.9354, 21.1507



0.0000, 0.0000, 0.0000



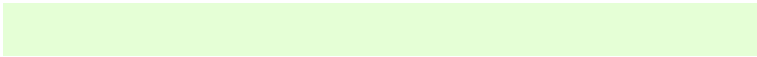
20.3446, 21.4041, 23.3091

Same Dimension

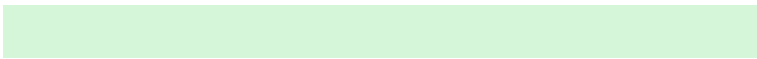
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.0196, 86.7269, 75.6854



80.2469, 93.0488, 77.4831



72.9755, 85.0922, 78.4986



16.8510, 18.7652, 17.5315



19.9520, 36.3984, 5.9740



1.8622, 3.2551, 0.5301

Inverse Universe

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



74.3641, 71.7372, 97.1207



78.1390, 73.9689, 104.7668



77.7706, 73.5705, 93.7954



16.5953, 16.4495, 20.8430



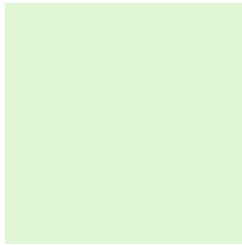
16.4144, 7.4363, 47.1082



1.5551, 0.7115, 4.1456

Previews

White Background



This preview shows how the XYZ color 76.0173, 86.7232, 75.6835 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 76.0173, 86.7232, 75.6835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

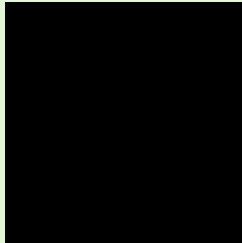
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

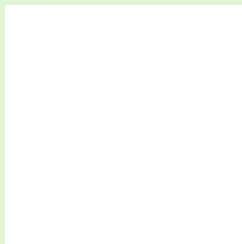
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.0173, 86.7232, 75.6835

Background



This preview shows how black text looks on a background with the XYZ color 76.0173, 86.7232, 75.6835.



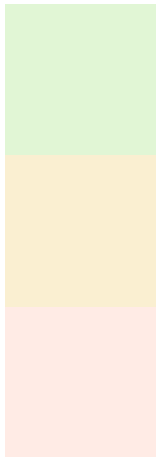
This preview shows how white text looks on a background with the XYZ color 76.0173, 86.7232,

75.6835.

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

76.0173, 86.7232, 75.6835

Protanopia

81.7995, 86.6604, 72.7374

Deuteranopia

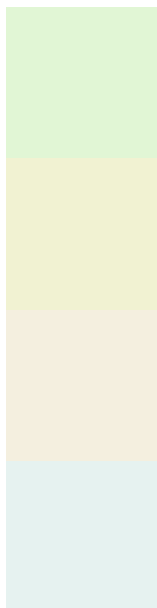
85.0912, 86.3338, 86.3080



Tritanopia

82.5208, 86.2766, 106.9115

Trichromacy



Original Color

76.0173, 86.7232, 75.6835

Protanomaly

79.6606, 86.8582, 73.5395

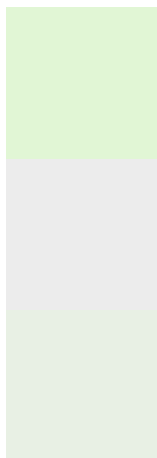
Deuteranomaly

81.4940, 86.2938, 82.1732

Tritanomaly

80.1134, 86.6185, 94.9347

Monochromacy



Original Color

76.0173, 86.7232, 75.6835

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

78.4424, 85.0774, 85.6860

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.0173, 86.7232, 75.6835 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(225, 246, 213)` looks like.

```
.text, #text, p{  
    color:rgb(225, 246, 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(225, 246, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 246, 213) }
```

Border

The CSS property to change the border of an element to XYZ 76.0173, 86.7232, 75.6835 is called "border". The border property can be set on classes, ids or directly on the HTML element.

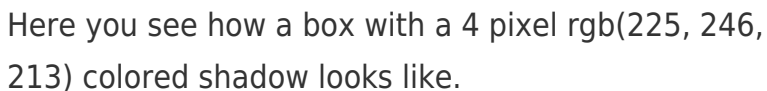
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(225, 246, 213) }
```


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

```
.border{ border-color:rgb(225, 246, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(225, 246, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 246, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 246, 213); box-shadow:4px 4px 4px 4px rgb(225, 246, 213) }
```

Background

The CSS property to change the background color of an element to XYZ 76.0173, 86.7232, 75.6835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 246, 213) }
```

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

```
.background{ background-color: rgb(225,  
246, 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](#).

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