

Converting Colors

XYZ(76.7672, 86.7578, 83.2080)

Have a look what the booklet for
XYZ(76.7672, 86.7578, 83.2080)
contains.

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Color

**XYZ(76.8417, 86.9813,
83.2601)**

Conversions

Conversions Part 1

Format	Color
Hex	DFF6E0
RGB	223, 246, 224
RGB Percent	87%, 96%, 88%
CMY	0.1255, 0.0353, 0.1216
CMYK	0.09, 0.00, 0.09, 0.04
HSL	123°, 56%, 92%
HSV	123°, 9%, 96%
XYZ	76.8417, 86.9813, 83.2601
YIQ	236.6150, -6.6460, -11.7180

Conversions

Conversions Part 2

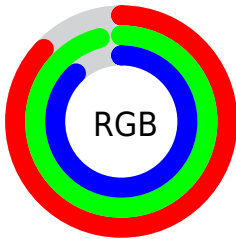
Format	Color
R _Y B	223, 245, 246
Decimal	14677728
CIE Lab	94.73, -11.50, 8.02
CIE LCh	95, 14.020, 145.084
Yxy	86.9813, 0.3110, 0.3520
Android (android.graphics.Color)	4292867808 (0xFFDFF6E0)
YUV	236.6150, -6.2192, -11.9404
Hunter-Lab	93.2638, -16.1422, 12.3542

Details

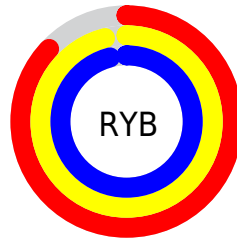
The XYZ color **76.8417, 86.9813, 83.2601** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.8782, 78.9628, 97.3688**, and the grayscale version is **80.2522, 84.4316, 91.9460**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7233, 48.0163, 44.6051** is the 20% darker color. If you saturate the color by 10%, you get **66.8325, 82.1674, 67.2702**, and if you desaturate by 10%, it is **88.3987, 92.5470, 101.6314**.

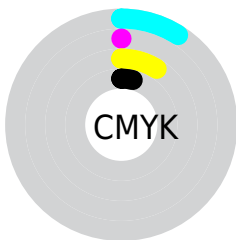
Distribution



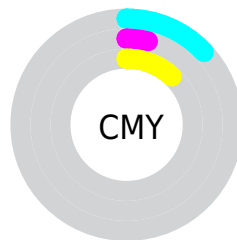
- Red (87%)
- Green (96%)
- Blue (88%)



- Red (87%)
- Yellow (96%)
- Blue (96%)



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



- Cyan (13%)
- Magenta (4%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8417, 86.9813, 83.2601 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 76.8417, 86.9813, 83.2601 by changing the saturation by 10% instead.

76.8417, 86.9813,
83.2601

76.8417, 86.9813,
83.2601

473.1244,
518.1614, 525.8466

57.4224, 65.4797,
61.8629

127.8900,
143.1381, 139.7922

41.5860, 47.8502,
44.4868

160.2498,
178.5621, 175.7641

28.9669, 33.7083,
30.7134

197.6538,
219.3957, 217.4314

19.1999, 22.6696,
20.1241

240.4673,
266.0233, 265.2126

11.9197, 14.3497,
12.3003

289.0558,
318.8292, 319.5261

6.7608, 8.3643,
6.8235

343.7846,

3.3580, 4.3289,

378.1980, 380.7906

3.2752

405.0190,
444.5139, 449.4246

■ 1.3458, 1.8592,
1.2368

■ 0.2171, 0.5237,
0.0092

■ 76.8417, 86.9813,
83.2601

■ 76.8417, 86.9813,
83.2601

■ 66.8325, 82.1674,
67.2702

■ 88.3987, 92.5470,
101.6314

■ 58.2984, 78.0626,
53.5589

■ 92.2475, 94.3949,
107.9658

■ 51.1720, 74.6367,
42.0241

■ 45.3777, 71.8532,
32.5541

■ 40.8325, 69.6720,
25.0269

■ 37.4447, 68.0486,
19.3080

■ 35.1094, 66.9322,
15.2456

■ 33.7032, 66.2630,
12.6634

■ 33.0452, 65.9523,
11.3435

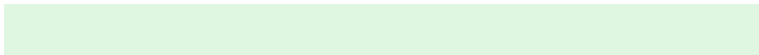
Harmonies

Analogous

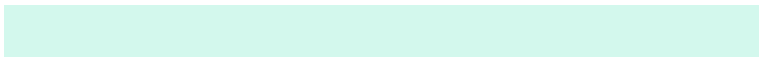
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.6227, 86.9813, 77.0394



76.8417, 86.9813, 83.2601



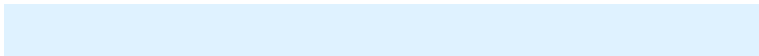
75.6247, 86.9813, 92.9312

Triad

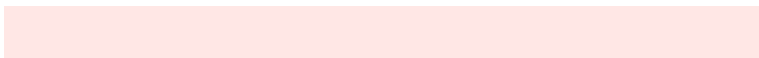
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.8417, 86.9813, 83.2601



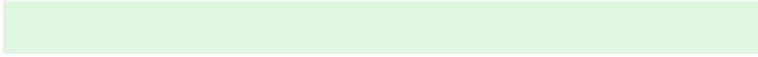
82.0504, 86.9813, 117.0547



89.4487, 86.9813, 86.1344

Complementary

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



76.8417, 86.9813, 83.2601



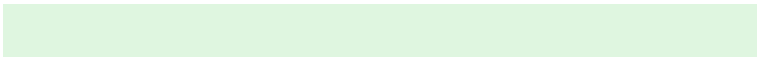
80.8782, 78.9628, 97.3688

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.



90.1464, 86.9813, 96.5070



76.8417, 86.9813, 83.2601



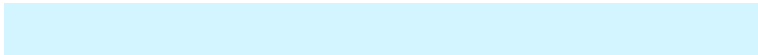
85.8005, 86.9813, 114.8901

Square

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



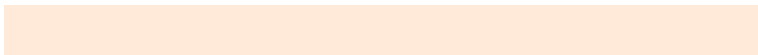
76.8417, 86.9813, 83.2601



78.5728, 86.9813, 112.8684



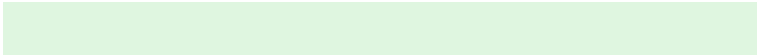
88.7923, 86.9813, 107.1596



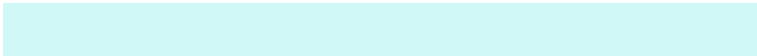
86.9137, 86.9813, 78.6079

Rectangle

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



76.8417, 86.9813, 83.2601



75.8362, 86.9813, 100.2423



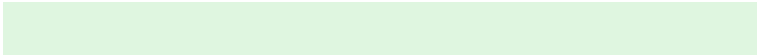
88.7923, 86.9813, 107.1596



89.9091, 86.9813, 89.3809

Sweetspot

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



76.8441, 86.9850, 83.2620



91.1354, 98.1155, 102.6839



84.0165, 90.6981, 82.8914



19.2884, 20.8957, 21.6317



0.0000, 0.0000, 0.0000



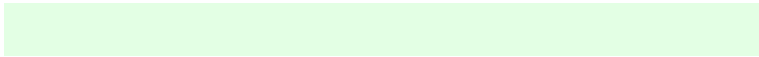
20.3446, 21.4041, 23.3091

Same Dimension

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



76.8441, 86.9850, 83.2620



81.4500, 93.4536, 87.2680



78.4238, 87.6169, 91.5805



16.3114, 18.4837, 17.6583



17.6349, 35.1988, 6.0971



1.5600, 3.0977, 0.5889

Inverse Universe

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



80.8782, 78.9628, 97.3688



86.5496, 83.3125, 105.1006



79.2095, 78.2953, 88.5814



17.1807, 16.7551, 20.6979



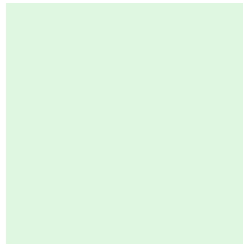
28.3275, 13.6744, 43.2943



2.4992, 1.2056, 3.8551

Previews

White Background



This preview shows how the XYZ color 76.8417, 86.9813, 83.2601 looks on a white background.

Color Contrast Check

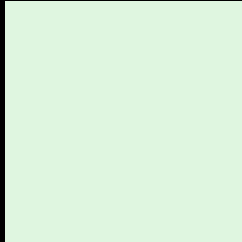
Large Text (above 18pt) WCAG AA × Fail

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 76.8417, 86.9813, 83.2601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

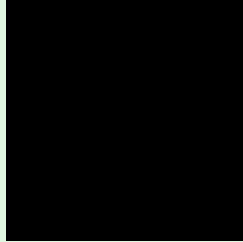
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

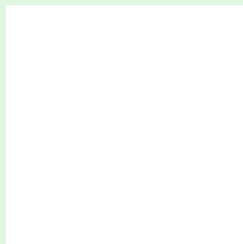
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.8417, 86.9813, 83.2601

Background



This preview shows how black text looks on a background with the XYZ color 76.8417, 86.9813, 83.2601.



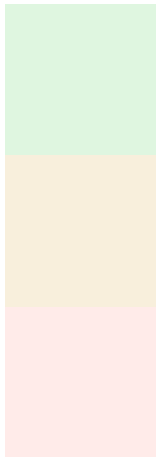
This preview shows how white text looks on a background with the XYZ color 76.8417, 86.9813,

83.2601.

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

76.8417, 86.9813, 83.2601

Protanopia

82.4962, 86.8568, 80.1272

Deuteranopia

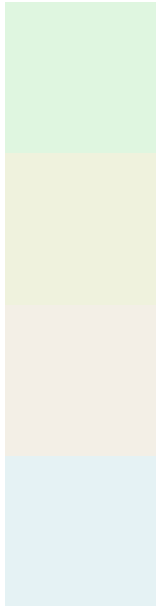
85.6563, 86.5599, 89.2839



Tritanopia

82.4888, 86.6960, 106.9941

Trichromacy



Original Color

76.8417, 86.9813, 83.2601

Protanomaly

80.3999, 87.0754, 80.9763

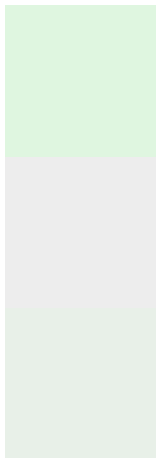
Deuteranomaly

82.1116, 86.5009, 87.2315

Tritanomaly

80.3944, 86.6939, 98.0843

Monochromacy



Original Color

76.8417, 86.9813, 83.2601

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.0043, 85.3022, 88.6449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.8417, 86.9813, 83.2601 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(223, 246, 224)` looks like.

```
.text, #text, p{  
    color:rgb(223, 246, 224)  
}
```

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(223, 246, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 246, 224) }
```

Border

The CSS property to change the border of an element to XYZ 76.8417, 86.9813, 83.2601 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(223, 246, 224) }
```


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

```
.border{ border-color:rgb(223, 246, 224) }
```

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

Here you see how a box with a 4 pixel rgb(223, 246, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 246, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 246, 224);  
box-shadow:4px 4px 4px 4px rgb(223, 246,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 76.8417, 86.9813, 83.2601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 246, 224) }
```

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

```
.background{ background-color: rgb(223,  
246, 224) }
```

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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