

Converting Colors

XYZ(76.7088, 88.3226, 84.0898)

Have a look what the booklet for
XYZ(76.7088, 88.3226, 84.0898)
contains.

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Color

**XYZ(76.6797, 88.2477,
84.2262)**

Conversions

Conversions Part 1

Format	Color
Hex	DBF9E1
RGB	219, 249, 225
RGB Percent	86%, 98%, 88%
CMY	0.1412, 0.0235, 0.1176
CMYK	0.12, 0.00, 0.10, 0.02
HSL	132°, 71%, 92%
HSV	132°, 12%, 98%
XYZ	76.6797, 88.2477, 84.2262
YIQ	237.2940, -10.1760, -13.8240

Conversions

Conversions Part 2

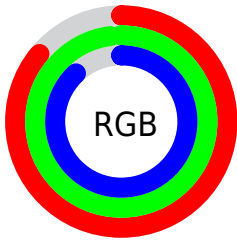
Format	Color
R _Y B	219, 244, 249
Decimal	14416353
CIE Lab	95.27, -14.13, 8.24
CIE LCh	95, 16.358, 149.743
Yxy	88.2477, 0.3078, 0.3542
Android (android.graphics.Color)	4292606433 (0xFFDBF9E1)
YUV	237.2940, -6.0609, -16.0438
Hunter-Lab	93.9402, -18.6930, 12.5992

Details

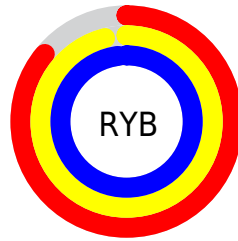
The XYZ color **76.6797, 88.2477, 84.2262** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.5793, 77.2760, 95.4669**, and the grayscale version is **80.7757, 84.9823, 92.5457**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6355, 48.9347, 45.2811** is the 20% darker color. If you saturate the color by 10%, you get **67.1807, 83.6492, 70.4140**, and if you desaturate by 10%, it is **87.6213, 93.5582, 99.7647**.

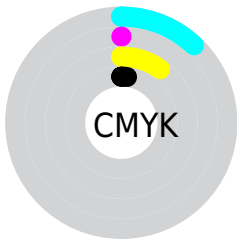
Distribution



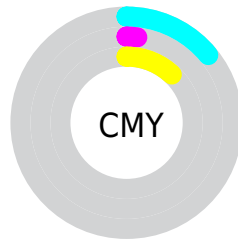
- Red (86%)
- Green (98%)
- Blue (88%)



- Red (86%)
- Yellow (96%)
- Blue (98%)



- Cyan (12%)
- Magenta (0%)
- Yellow (10%)
- Black (2%)





- Cyan (14%)
- Magenta (2%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.6797, 88.2477, 84.2262 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 76.6797, 88.2477, 84.2262 by changing the saturation by 10% instead.


 76.6797, 88.2477,
84.2262

 76.6797, 88.2477,
84.2262


472.5800,
522.3141, 529.1418

 57.2890, 66.5282,
62.6557


127.6625,
144.9020, 141.1561

 41.4784, 48.7013,
45.1236


159.9853,
180.6055, 177.3526

 28.8824, 34.3826,
31.2111


197.3496,
221.7393, 219.2616

 19.1357, 23.1877,
20.4998

240.1207,
268.6875, 267.3015

 11.8730, 14.7322,
12.5712

288.6639,
321.8348, 321.8909

 6.7288, 8.6316,
7.0067

343.3446,

 3.3379, 4.5017,

381.5653, 383.4484

3.3878

404.5282,
448.2636, 452.3925

■ 1.3349, 1.9580,
1.2959

■ 0.2091, 0.5829,
0.0584

■ 76.6797, 88.2477,
84.2262

■ 76.6797, 88.2477,
84.2262

■ 67.1807, 83.6492,
70.4140

■ 87.6213, 93.5582,
99.7647

■ 59.0565, 79.7216,
58.2628

■ 93.1674, 96.2348,
108.2725

■ 52.2448, 76.4365,
47.7118

■ 46.6755, 73.7592,
38.6939

■ 42.2719, 71.6518,
31.1377

■ 38.9487, 70.0718,
24.9658

■ 36.6082, 68.9706,
20.0938

■ 35.1344, 68.2905,
16.4276

■ 34.4488, 67.9833,
14.3012

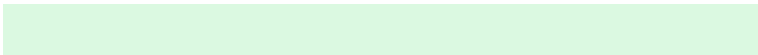
Harmonies

Analogous

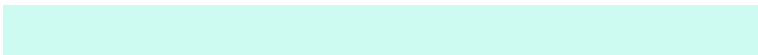
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.6905, 88.2477, 76.2864



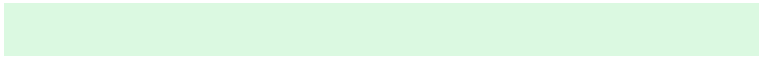
76.6797, 88.2477, 84.2262



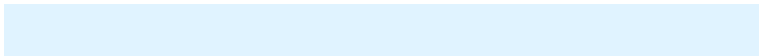
75.5838, 88.2477, 95.9767

Triad

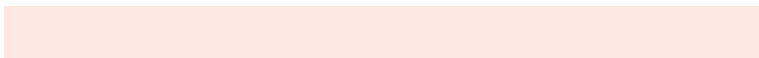
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.6797, 88.2477, 84.2262



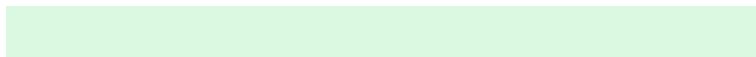
83.8383, 88.2477, 122.8215



91.5515, 88.2477, 84.4010

Complementary

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



76.6797, 88.2477, 84.2262



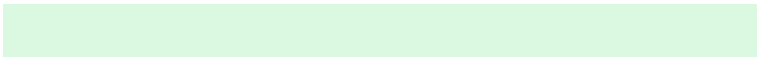
80.5793, 77.2760, 95.4669

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.



92.7552, 88.2477, 96.1969



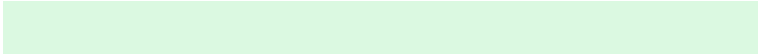
76.6797, 88.2477, 84.2262



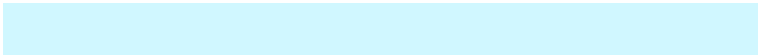
88.2071, 88.2477, 119.0472

Square

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



76.6797, 88.2477, 84.2262



79.6262, 88.2477, 118.9202



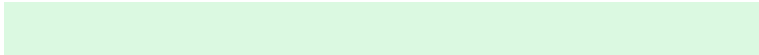
91.5107, 88.2477, 109.0115



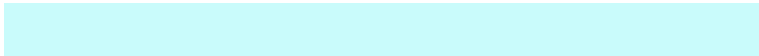
88.2760, 88.2477, 76.3808

Rectangle

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



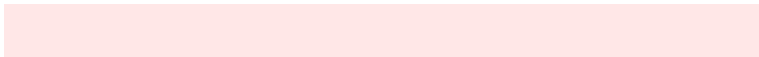
76.6797, 88.2477, 84.2262



76.0554, 88.2477, 104.6314



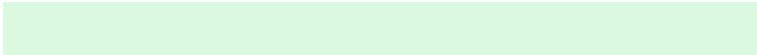
91.5107, 88.2477, 109.0115



92.2169, 88.2477, 88.0205

Sweetspot

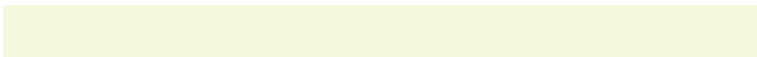
The Sweet Spot groups the original color and five complimentary colors.



76.6821, 88.2515, 84.2281



90.1102, 97.6020, 101.9559



83.8004, 92.0140, 80.3626



19.0945, 20.7973, 21.5504



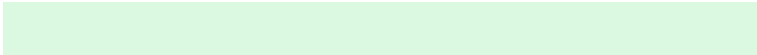
0.0000, 0.0000, 0.0000



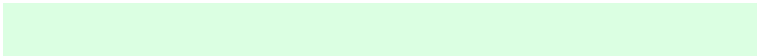
20.3446, 21.4041, 23.3091

Same Dimension

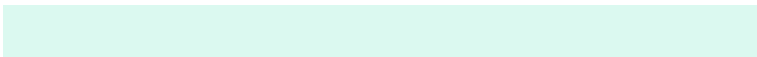
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.6821, 88.2515, 84.2281



78.8516, 92.1418, 85.8973



78.7459, 89.0770, 95.0957



17.1593, 19.3660, 19.0393



18.4787, 36.4045, 7.8644



1.7473, 3.3860, 0.9170

Inverse Universe

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



80.5793, 77.2760, 95.4669



83.5715, 78.8484, 99.5081



78.4743, 76.4340, 84.3825



17.8355, 17.4616, 20.9897



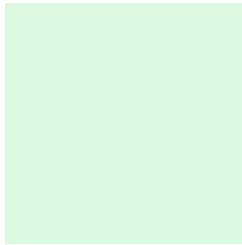
26.4948, 13.0137, 30.3779



2.4904, 1.2199, 3.0056

Previews

White Background



This preview shows how the XYZ color 76.6797, 88.2477, 84.2262 looks on a white background.

Color Contrast Check

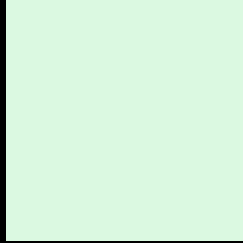
Large Text (above 18pt) WCAG AA × Fail

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 76.6797, 88.2477, 84.2262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

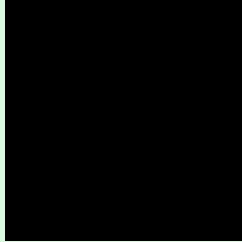
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

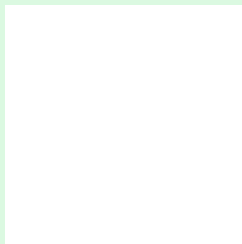
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.6797, 88.2477, 84.2262

Background



This preview shows how black text looks on a background with the XYZ color 76.6797, 88.2477, 84.2262.



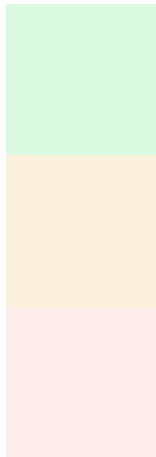
This preview shows how white text looks on a background with the XYZ color 76.6797, 88.2477,

84.2262.

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

76.6797, 88.2477, 84.2262

Protanopia

83.5027, 87.8115, 80.2584

Deuteranopia

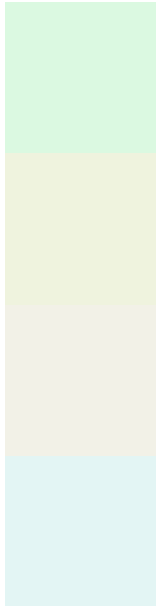
86.5196, 87.8265, 90.9894



Tritanopia

83.0556, 88.3101, 107.2758

Trichromacy



Original Color

76.6797, 88.2477, 84.2262

Protanomaly

80.8320, 87.7258, 81.7797

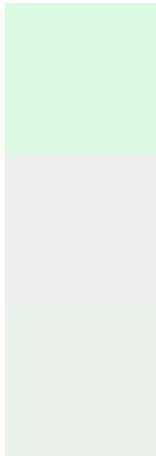
Deuteranomaly

82.4971, 87.5574, 88.1535

Tritanomaly

80.6601, 88.1674, 98.3547

Monochromacy



Original Color

76.6797, 88.2477, 84.2262

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

78.7964, 85.6168, 89.4635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.6797, 88.2477, 84.2262 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(219, 249, 225)` looks like.

```
.text, #text, p{  
    color:rgb(219, 249, 225)  
}
```

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(219, 249, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 249, 225) }
```

Border

The CSS property to change the border of an element to XYZ 76.6797, 88.2477, 84.2262 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(219, 249, 225) }
```


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

```
.border{ border-color:rgb(219, 249, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 249, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 249, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 249, 225); box-shadow:4px 4px 4px 4px rgb(219, 249, 225) }
```

Background

The CSS property to change the background color of an element to XYZ 76.6797, 88.2477, 84.2262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 249, 225) }
```

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

```
.background{ background-color: rgb(219,  
249, 225) }
```

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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