

Converting Colors

XYZ(77.5560, 87.2519, 89.4680)

Have a look what the booklet for
XYZ(77.5560, 87.2519, 89.4680)
contains.

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Color

**XYZ(77.3400, 87.1099,
89.0816)**

Conversions

Conversions Part 1

Format	Color
Hex	DDF6E8
RGB	221, 246, 232
RGB Percent	87%, 96%, 91%
CMY	0.1333, 0.0353, 0.0902
CMYK	0.10, 0.00, 0.06, 0.04
HSL	146°, 58%, 92%
HSV	146°, 10%, 96%
XYZ	77.3400, 87.1099, 89.0816
YIQ	236.9290, -10.4060, -9.6540

Conversions

Conversions Part 2

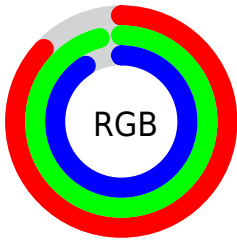
Format	Color
R _Y B	221, 238, 246
Decimal	14546664
CIE Lab	94.78, -10.73, 3.95
CIE LCh	95, 11.432, 159.776
Yxy	87.1099, 0.3051, 0.3436
Android (android.graphics.Color)	4292736744 (0xFFDDDF6E8)
YUV	236.9290, -2.4300, -13.9697
Hunter-Lab	93.3327, -15.4184, 8.7434

Details

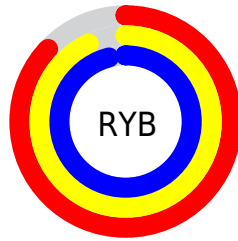
The XYZ color **77.3400, 87.1099, 89.0816** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.8610, 77.3060, 89.3663**, and the grayscale version is **80.4675, 84.6581, 92.1927**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9758, 48.0685, 48.1401** is the 20% darker color. If you saturate the color by 10%, you get **68.5111, 82.7782, 78.8504**, and if you desaturate by 10%, it is **87.4248, 92.0761, 100.1762**.

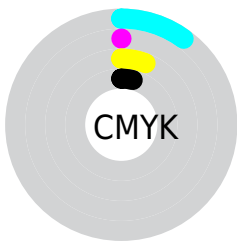
Distribution



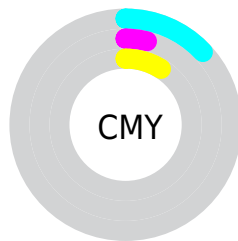
- Red (87%)
- Green (96%)
- Blue (91%)



- Red (87%)
- Yellow (93%)
- Blue (96%)



- Cyan (10%)
- Magenta (0%)
- Yellow (6%)
- Black (4%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3400, 87.1099, 89.0816 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 77.3400, 87.1099, 89.0816 by changing the saturation by 10% instead.

77.3400, 87.1099,
89.0816

77.3400, 87.1099,
89.0816

474.7967,
518.5839, 545.5316

57.8329, 65.5862,
66.6498

128.5896,
143.3173, 147.9864

41.9170, 47.9365,
48.3402

161.0628,
178.7698, 185.2964

29.2272, 33.7766,
33.7345

198.5887,
219.6339, 228.4029

19.3979, 22.7221,
22.4140

241.5327,
266.2942, 277.7245

12.0638, 14.3884,
13.9602

290.2602,
319.1349, 333.6796

6.8597, 8.3913,
7.9546

345.1364,

3.4200, 4.3463,

378.5405, 396.6868

3.9785

406.5268,
444.8954, 467.1646

■ 1.3796, 1.8691,
1.6136

■ 0.2416, 0.5297,
0.3005

■ 77.3400, 87.1099,
89.0816

■ 77.3400, 87.1099,
89.0816

■ 68.5111, 82.7782,
78.8504

■ 87.4248, 92.0761,
100.1762

■ 60.8796, 79.0441,
69.4562

■ 92.2475, 94.3949,
107.9658

■ 54.3935, 75.8835,
60.8794

■ 48.9936, 73.2663,
53.0976

■ 44.6153, 71.1599,
46.0873

■ 41.1870, 69.5276,
39.8238

■ 38.6269, 68.3279,
34.2809

■ 36.8381, 67.5112,
29.4304

■ 35.6764, 67.0025,
25.3036

Harmonies

Analogous

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



79.0489, 87.1099, 82.3522



77.3400, 87.1099, 89.0816



77.0725, 87.1099, 97.7689

Triad

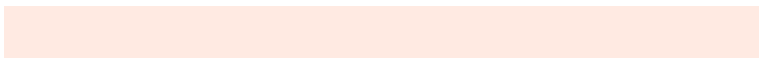
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.3400, 87.1099, 89.0816



83.8091, 87.1099, 112.6399



87.4501, 87.1099, 84.3643

Complementary

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



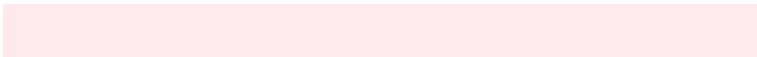
77.3400, 87.1099, 89.0816



78.8610, 77.3060, 89.3663

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.



88.7947, 87.1099, 91.9857



77.3400, 87.1099, 89.0816



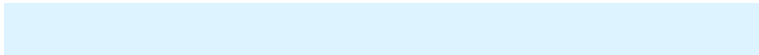
86.6583, 87.1099, 108.5476

Square

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



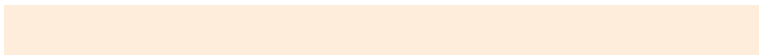
77.3400, 87.1099, 89.0816



80.7567, 87.1099, 111.7421



88.5014, 87.1099, 100.8578



84.8681, 87.1099, 79.7485

Rectangle

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



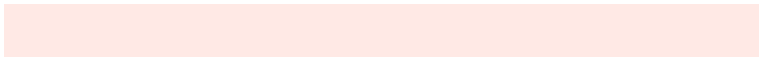
77.3400, 87.1099, 89.0816



77.7405, 87.1099, 103.5589



88.5014, 87.1099, 100.8578



88.0647, 87.1099, 86.6396

Sweetspot

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



77.3424, 87.1136, 89.0835



91.6091, 98.3050, 105.1783



80.3260, 88.8266, 81.3192



19.4159, 20.9466, 22.3027



0.0000, 0.0000, 0.0000



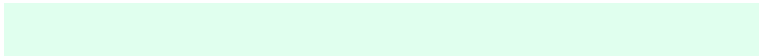
20.3446, 21.4041, 23.3091

Same Dimension

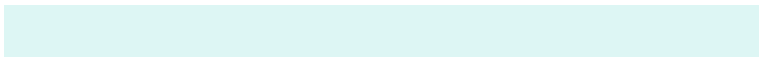
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.3424, 87.1136, 89.0835



82.0370, 93.5962, 94.5249



79.1573, 87.8395, 98.6405



16.5851, 18.5932, 19.0993



19.1095, 35.7887, 13.8625



1.7303, 3.1658, 1.4856

Inverse Universe

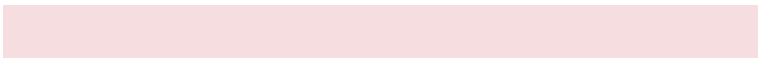
The Inverse Universe completely reimagines the original color for something new.



78.8610, 77.3060, 89.3663



83.9609, 81.1696, 94.8829



77.1394, 76.6173, 80.3008



16.8878, 16.6380, 19.1556



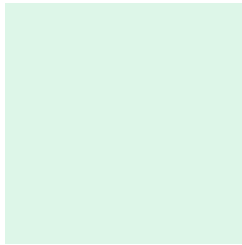
22.7978, 11.4626, 14.1755



2.0553, 1.0281, 1.5178

Previews

White Background



This preview shows how the XYZ color 77.3400, 87.1099, 89.0816 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 77.3400, 87.1099, 89.0816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

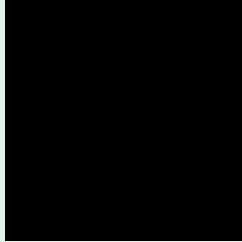
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

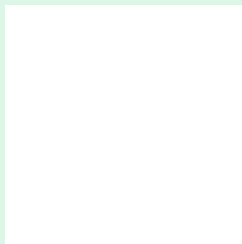
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.3400, 87.1099, 89.0816

Background



This preview shows how black text looks on a background with the XYZ color 77.3400, 87.1099, 89.0816.



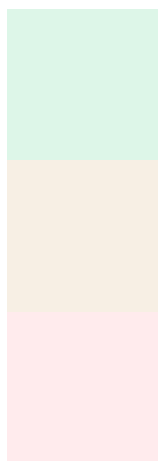
This preview shows how white text looks on a background with the XYZ color 77.3400, 87.1099,

89.0816.

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

77.3400, 87.1099, 89.0816

Protanopia

83.2279, 87.1086, 85.8258

Deuteranopia

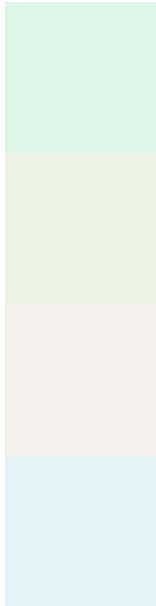
86.2344, 86.7911, 92.3281



Tritanopia

82.1384, 86.9536, 107.0623

Trichromacy



Original Color

77.3400, 87.1099, 89.0816

Protanomaly

81.1549, 87.3385, 86.7094

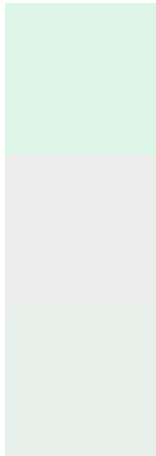
Deuteranomaly

82.8240, 86.7858, 90.9833

Tritanomaly

80.5176, 87.1475, 100.5731

Monochromacy



Original Color

77.3400, 87.1099, 89.0816

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.1105, 85.3073, 90.8936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.3400, 87.1099, 89.0816 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(221, 246, 232)` looks like.

```
.text, #text, p{  
    color:rgb(221, 246, 232)  
}
```

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(221, 246, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 246, 232) }
```

Border

The CSS property to change the border of an element to XYZ 77.3400, 87.1099, 89.0816 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(221, 246, 232) }
```


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

```
.border{ border-color:rgb(221, 246, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 246, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 246, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 246, 232);  
box-shadow:4px 4px 4px 4px rgb(221, 246,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 77.3400, 87.1099, 89.0816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 246, 232) }
```

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

```
.background{ background-color: rgb(221,  
246, 232) }
```

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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