

Converting Colors

XYZ(78.2896, 87.1577, 99.6711)

Have a look what the booklet for
XYZ(78.2896, 87.1577, 99.6711)
contains.

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Color

**XYZ(78.5038, 87.4708,
99.9347)**

Conversions

Conversions Part 1

Format	Color
Hex	DAF6F6
RGB	218, 246, 246
RGB Percent	85%, 96%, 96%
CMY	0.1451, 0.0353, 0.0353
CMYK	0.11, 0.00, 0.00, 0.04
HSL	180°, 61%, 91%
HSV	180°, 11%, 96%
XYZ	78.5038, 87.4708, 99.9347
YIQ	237.6280, -16.6880, -5.9360

Conversions

Conversions Part 2

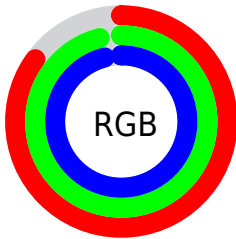
Format	Color
R _Y B	218, 232, 246
Decimal	14350070
CIE Lab	94.94, -9.06, -3.09
CIE LCh	95, 9.569, 198.852
Yxy	87.4708, 0.2952, 0.3289
Android (android.graphics.Color)	4292540150 (0xFFDAF6F6)
YUV	237.6280, 4.1274, -17.2138
Hunter-Lab	93.5258, -13.8407, 2.1152

Details

The XYZ color **78.5038, 87.4708, 99.9347** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.7356, 74.8001, 76.7799**, and the grayscale version is **80.9609, 85.1772, 92.7580**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.8120, 48.3311, 55.7876** is the 20% darker color. If you saturate the color by 10%, you get **71.6866, 83.9588, 99.6149**, and if you desaturate by 10%, it is **86.4179, 91.5530, 100.3095**.

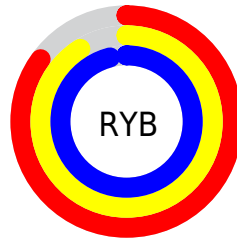
Distribution



Red (85%)

Green (96%)

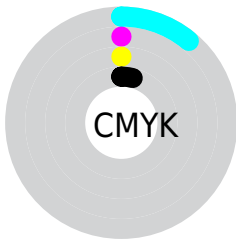
Blue (96%)



Red (85%)

Yellow (91%)

Blue (96%)

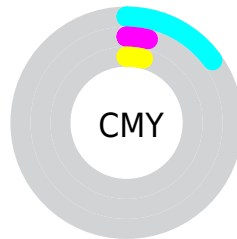


Cyan (11%)

Magenta (0%)

Yellow (0%)

Black (4%)



Cyan (15%)

Magenta (4%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.5038, 87.4708, 99.9347 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 78.5038, 87.4708, 99.9347 by changing the saturation by 10% instead.

78.5038, 87.4708,
99.9347

78.5038, 87.4708,
99.9347

478.6898,
519.7687, 581.2282

58.7921, 65.8849,
75.6294

130.2217,
143.8202, 163.1185

42.6915, 48.1790,
55.6239

162.9586,
179.3524, 202.8342

29.8366, 33.9686,
39.4995

200.7681,
220.3022, 248.5237

19.8621, 22.8695,
26.8377

244.0153,
267.0540, 300.6056

12.4025, 14.4972,
17.2200

293.0658,
319.9922, 359.4985

7.0926, 8.4673,
10.2279

348.2848,

3.5669, 4.3954,

379.5010, 425.6208

5.4427

410.0376,
445.9651, 499.3912

■ 1.4602, 1.8971,
2.4460

■ 0.2985, 0.5466,
0.8114

■ 78.5038, 87.4708,
99.9347

■ 78.5038, 87.4708,
99.9347

■ 71.6866, 83.9588,
99.6149

■ 86.4179, 91.5530,
100.3095

■ 65.9108, 80.9813,
99.3421

■ 90.8332, 93.8291,
100.5186

■ 61.1274, 78.5155,
99.1157

■ 90.8337, 93.8293,
100.5212

■ 57.2806, 76.5324,
98.9331

■ 90.8341, 93.8295,
100.5238

■ 54.3090, 75.0006,
98.7915

■ 90.8346, 93.8297,
100.5264

■ 52.1439, 73.8845,
98.6876

■ 90.8351, 93.8299,
100.5290

■ 50.7064, 73.1435,
98.6177

■ 90.8356, 93.8300,
100.5315

■ 49.9017, 72.7287,
98.5775

■ 90.8361, 93.8302,
100.5341

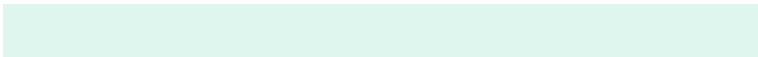
■ 49.5878, 72.5669,
98.5606

■ 90.8366, 93.8304,
100.5367

Harmonies

Analogous

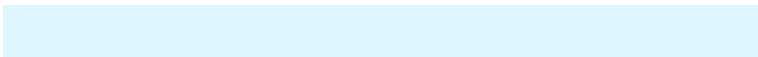
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.3369, 87.4708, 92.5037



78.5038, 87.4708, 99.9347



79.8972, 87.4708, 106.4152

Triad

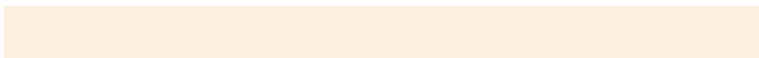
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.5038, 87.4708, 99.9347



86.9537, 87.4708, 104.9597



84.1072, 87.4708, 81.8933

Complementary

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



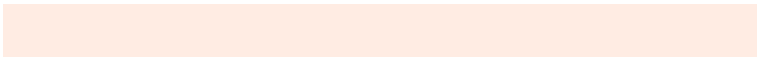
78.5038, 87.4708, 99.9347



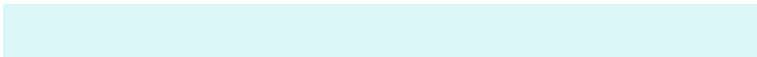
75.7356, 74.8001, 76.7799

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.



86.4661, 87.4708, 84.8774



78.5038, 87.4708, 99.9347



88.1322, 87.4708, 98.0315

Square

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



78.5038, 87.4708, 99.9347



84.7616, 87.4708, 109.4190



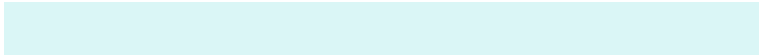
87.9518, 87.4708, 90.6963



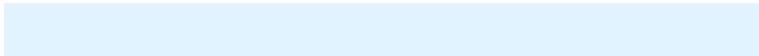
81.5360, 87.4708, 82.3436

Rectangle

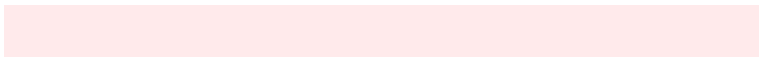
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



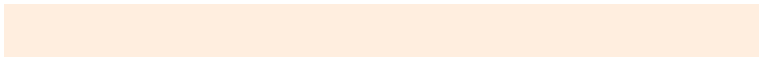
78.5038, 87.4708, 99.9347



81.3506, 87.4708, 109.2042



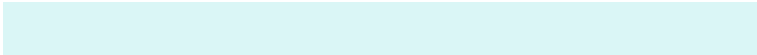
87.9518, 87.4708, 90.6963



84.9521, 87.4708, 82.5215

Sweetspot

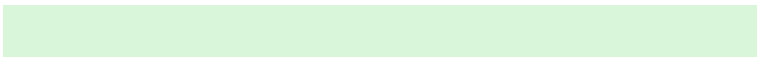
The Sweet Spot groups the original color and five complimentary colors.



78.5063, 87.4745, 99.9366



92.2912, 98.5778, 108.7701



74.6665, 85.9547, 78.9868



19.6003, 21.0204, 23.2740



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

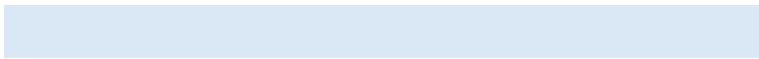
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.5063, 87.4745, 99.9366



83.1130, 93.8463, 108.3375



74.5387, 79.5384, 98.6169



16.9967, 18.7578, 21.2668



26.4668, 38.7316, 52.6056



2.3262, 3.4041, 4.6237

Inverse Universe

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



75.7356, 74.8001, 76.7799



79.4762, 77.2102, 77.9425



79.3896, 82.1088, 77.9956



16.4993, 16.4826, 17.1099



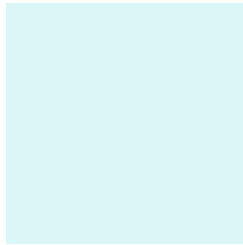
20.2863, 10.4580, 0.9501



1.7830, 0.9192, 0.0837

Previews

White Background



This preview shows how the XYZ color 78.5038, 87.4708, 99.9347 looks on a white background.

Color Contrast Check

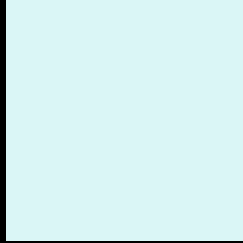
Large Text (above 18pt) WCAG AA × Fail

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 78.5038, 87.4708, 99.9347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

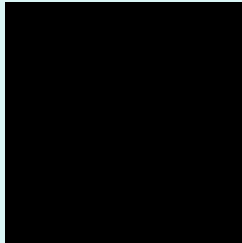
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

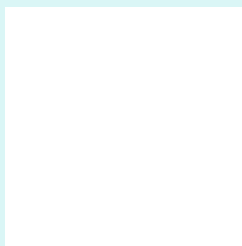
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.5038, 87.4708, 99.9347

Background



This preview shows how black text looks on a background with the XYZ color 78.5038, 87.4708, 99.9347.



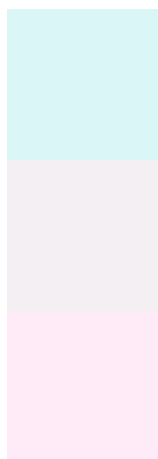
This preview shows how white text looks on a background with the XYZ color 78.5038, 87.4708,

99.9347.

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

78.5038, 87.4708, 99.9347

Protanopia

84.2017, 87.3769, 96.4319

Deuteranopia

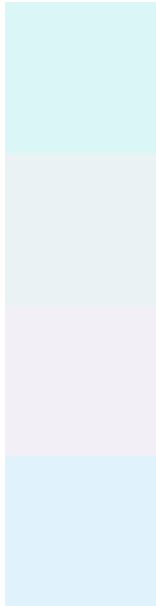
87.7368, 87.3921, 100.2398



Tritanopia

81.7970, 87.2182, 107.1314

Trichromacy



Original Color

78.5038, 87.4708, 99.9347

Protanomaly

82.1907, 87.6375, 97.3778

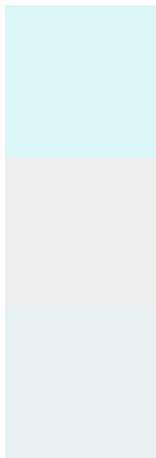
Deuteranomaly

84.2730, 87.3256, 100.4096

Tritanomaly

80.3617, 86.9768, 104.6481

Monochromacy



Original Color

78.5038, 87.4708, 99.9347

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.2875, 86.2504, 95.6355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.5038, 87.4708, 99.9347 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(218, 246, 246)` looks like.

```
.text, #text, p{  
    color:rgb(218, 246, 246)  
}
```

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(218, 246, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 246, 246) }
```

Border

The CSS property to change the border of an element to XYZ 78.5038, 87.4708, 99.9347 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(218, 246, 246) }
```


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

```
.border{ border-color:rgb(218, 246, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 246, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 246, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 246, 246);  
box-shadow:4px 4px 4px 4px rgb(218, 246,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 78.5038, 87.4708, 99.9347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 246, 246) }
```

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

```
.background{ background-color: rgb(218,  
246, 246) }
```

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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