

Converting Colors

XYZ(77.1909, 87.7041,
100.7000)

Have a look what the booklet for
XYZ(77.1909, 87.7041, 100.7000)
contains.

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Color

**XYZ(77.2199, 87.6991,
100.8534)**

Conversions

Conversions Part 1

Format	Color
Hex	D3F8F7
RGB	211, 248, 247
RGB Percent	83%, 97%, 97%
CMY	0.1725, 0.0274, 0.0314
CMYK	0.15, 0.00, 0.00, 0.03
HSL	178°, 73%, 90%
HSV	178°, 15%, 97%
XYZ	77.2199, 87.6991, 100.8534
YIQ	236.8230, -21.7310, -8.1550

Conversions

Conversions Part 2

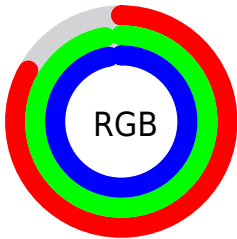
Format	Color
R _Y B	211, 230, 248
Decimal	13891831
CIE Lab	95.03, -12.04, -3.52
CIE LCh	95, 12.547, 196.291
Yxy	87.6991, 0.2905, 0.3300
Android (android.graphics.Color)	4292081911 (0xFFD3F8F7)
YUV	236.8230, 5.0173, -22.6468
Hunter-Lab	93.6478, -16.6965, 1.7015

Details

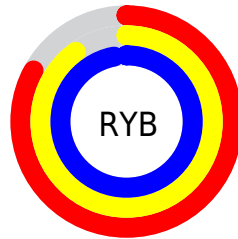
The XYZ color **77.2199, 87.6991, 100.8534** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.8925, 71.3009, 72.1591**, and the grayscale version is **80.3368, 84.5206, 92.0429**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9639, 48.5288, 56.4455** is the 20% darker color. If you saturate the color by 10%, you get **70.5529, 84.2765, 100.0024**, and if you desaturate by 10%, it is **84.9884, 91.6943, 101.7616**.

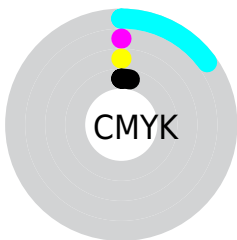
Distribution



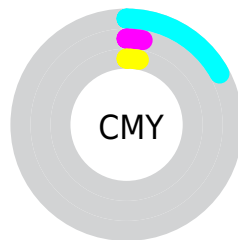
- Red (83%)
- Green (97%)
- Blue (97%)



- Red (83%)
- Yellow (90%)
- Blue (97%)



- Cyan (15%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)



- Cyan (17%)
- Magenta (3%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2199, 87.6991, 100.8534 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 77.2199, 87.6991, 100.8534 by changing the saturation by 10% instead.

77.2199, 87.6991,
100.8534

77.2199, 87.6991,
100.8534

474.3939,
520.5173, 584.1953

57.7339, 66.0739,
76.3926

128.4210,
144.1382, 164.3915

41.8372, 48.3324,
56.2459

160.8669,
179.7208, 204.3060

29.1644, 34.0902,
39.9948

198.3635,
220.7248, 250.2087

19.3501, 22.9629,
27.2207

241.2761,
267.5344, 302.5182

12.0290, 14.5661,
17.5052

289.9701,
320.5340, 361.6531

6.8358, 8.5154,
10.4296

344.8108,

3.4050, 4.4265,

380.1081, 428.0319

5.5754

406.1636,
446.6411, 502.0731

■ 1.3714, 1.9149,
2.5241

■ 0.2357, 0.5573,
0.8529

■ 77.2199, 87.6991,
100.8534

■ 77.2199, 87.6991,
100.8534

■ 70.5529, 84.2765,
100.0024

■ 84.9884, 91.6943,
101.7616

■ 64.9298, 81.3896,
99.2003


■ 91.8061, 95.1968,
102.6254


■ 60.2992, 79.0143,
98.4467

■ 91.9109, 95.2388,
103.1771


■ 56.6022, 77.1203,
97.7387


■ 92.0160, 95.2808,
103.7307


 53.7738, 75.6740,
97.0732


 92.1215, 95.3230,
104.2862


 51.7407, 74.6376,
96.4470


 92.2274, 95.3654,
104.8438

 50.4175, 73.9672,
95.8559

 92.3337, 95.4079,
105.4033

 49.6993, 73.6086,
95.2951

 92.4403, 95.4505,
105.9649

 49.4880, 73.5056,
95.0181

 92.5473, 95.4933,
106.5284

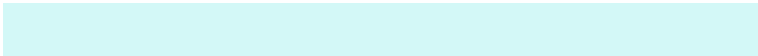
Harmonies

Analogous

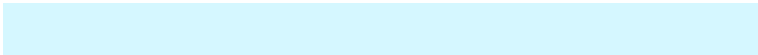
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.1473, 87.6991, 91.1086



77.2199, 87.6991, 100.8534



78.9070, 87.6991, 109.7141

Triad

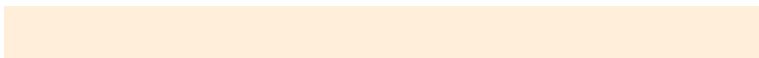
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.2199, 87.6991, 100.8534



88.1845, 87.6991, 109.0593



84.9187, 87.6991, 78.3861

Complementary

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



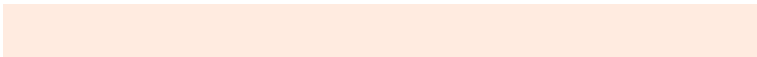
77.2199, 87.6991, 100.8534



73.8925, 71.3009, 72.1591

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.



87.9679, 87.6991, 82.5506



77.2199, 87.6991, 100.8534



89.8879, 87.6991, 100.0085

Square

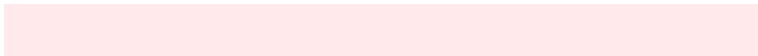
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.2199, 87.6991, 100.8534



85.2079, 87.6991, 114.6680



89.8075, 87.6991, 90.3191



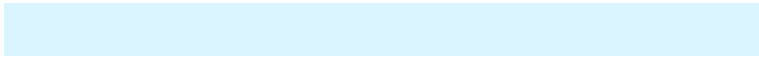
81.5299, 87.6991, 78.5781

Rectangle

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



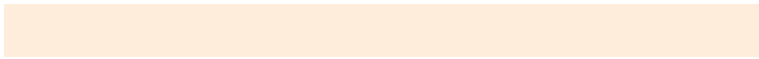
77.2199, 87.6991, 100.8534



80.7470, 87.6991, 113.7319



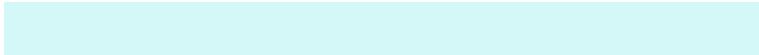
89.8075, 87.6991, 90.3191



86.0193, 87.6991, 79.3100

Sweetspot

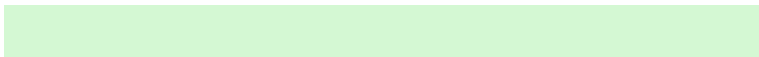
The Sweet Spot groups the original color and five complimentary colors.



77.2224, 87.7027, 100.8554



91.3519, 98.0987, 108.4946



72.5466, 85.8734, 74.3812



19.4089, 20.9231, 23.2062



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

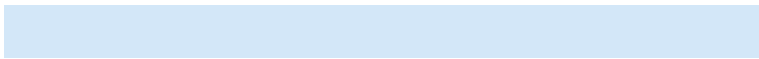
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.2224, 87.7027, 100.8554



79.9330, 92.2300, 107.1498



72.3112, 77.6317, 99.9844



17.7443, 19.6000, 22.1200



26.7412, 39.7095, 51.3738



2.4829, 3.6803, 4.7910

Inverse Universe

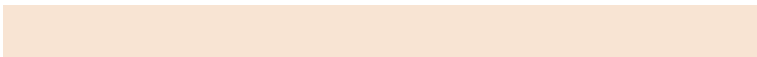
The Inverse Universe completely reimagines the original color for something new.



73.8925, 71.3009, 72.1591



75.7409, 71.5804, 71.0226



78.2893, 80.2964, 73.0021



17.2637, 17.2328, 17.9784



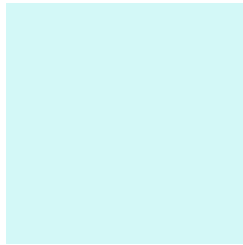
20.9400, 10.7917, 1.1263



1.9459, 1.0021, 0.1385

Previews

White Background



This preview shows how the XYZ color 77.2199, 87.6991, 100.8534 looks on a white background.

Color Contrast Check

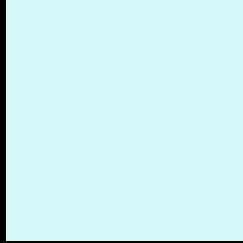
Large Text (above 18pt) WCAG AA × Fail

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 77.2199, 87.6991, 100.8534 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 77.2199, 87.6991, 100.8534

Background



This preview shows how black text looks on a background with the XYZ color 77.2199, 87.6991, 100.8534.



This preview shows how white text looks on a background with the XYZ color 77.2199, 87.6991,

100.8534.

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

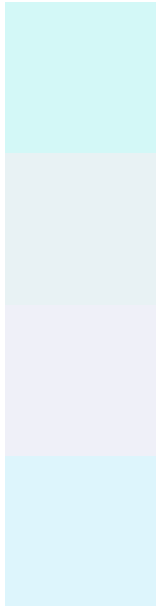




Tritanopia

81.4646, 87.4899, 107.2013

Trichromacy



Original Color

77.2199, 87.6991, 100.8534

Protanomaly

81.3600, 87.1917, 98.1295

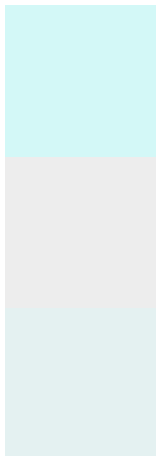
Deuteranomaly

83.7000, 87.4482, 101.2747

Tritanomaly

80.0419, 87.7052, 104.8056

Monochromacy



Original Color

77.2199, 87.6991, 100.8534

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.3274, 85.7554, 95.5905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.2199, 87.6991, 100.8534 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(211, 248, 247)` looks like.

```
.text, #text, p{  
    color:rgb(211, 248, 247)  
}
```

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(211, 248, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 248, 247) }
```

Border

The CSS property to change the border of an element to XYZ 77.2199, 87.6991, 100.8534 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(211, 248, 247) }
```


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

```
.border{ border-color:rgb(211, 248, 247) }
```

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

Here you see how a box with a 4 pixel rgb(211, 248, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 248, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 248, 247);  
box-shadow:4px 4px 4px 4px rgb(211, 248,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 77.2199, 87.6991, 100.8534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 248, 247) }
```

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

```
.background{ background-color: rgb(211,  
248, 247) }
```

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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