

Converting Colors

XYZ(77.1093, 88.5859,
100.2052)

Have a look what the booklet for
XYZ(77.1093, 88.5859, 100.2052)
contains.

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Color

**XYZ(77.1147, 88.5803,
100.2221)**

Conversions

Conversions Part 1

Format	Color
Hex	D1FAF6
RGB	209, 250, 246
RGB Percent	82%, 98%, 96%
CMY	0.1804, 0.0196, 0.0353
CMYK	0.16, 0.00, 0.02, 0.02
HSL	174°, 80%, 90%
HSV	174°, 16%, 98%
XYZ	77.1147, 88.5803, 100.2221
YIQ	237.2850, -23.1520, -9.9360

Conversions

Conversions Part 2

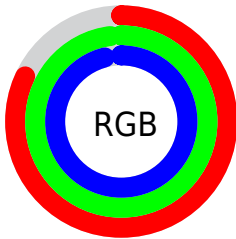
Format	Color
R _Y B	209, 231, 250
Decimal	13761270
CIE Lab	95.40, -13.85, -2.47
CIE LCh	95, 14.072, 190.121
Yxy	88.5803, 0.2900, 0.3331
Android (android.graphics.Color)	4291951350 (0xFFD1FAF6)
YUV	237.2850, 4.2965, -24.8059
Hunter-Lab	94.1171, -18.4513, 2.7461

Details

The XYZ color **77.1147, 88.5803, 100.2221** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.2383, 70.7316, 72.6945**, and the grayscale version is **80.6986, 84.9012, 92.4574**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6907, 48.7277, 55.9232** is the 20% darker color. If you saturate the color by 10%, you get **70.2174, 85.0700, 97.9580**, and if you desaturate by 10%, it is **85.1320, 92.6721, 102.5680**.

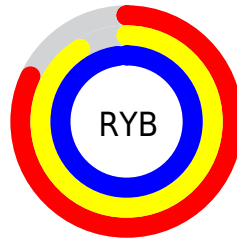
Distribution



Red (82%)

Green (98%)

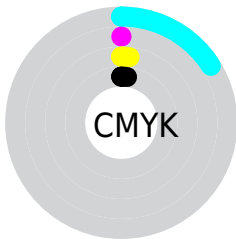
Blue (96%)



Red (82%)

Yellow (91%)

Blue (98%)

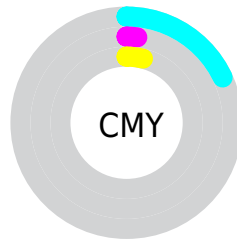


Cyan (16%)

Magenta (0%)

Yellow (2%)

Black (2%)



Cyan (18%)

Magenta (2%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.1147, 88.5803, 100.2221 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 77.1147, 88.5803, 100.2221 by changing the saturation by 10% instead.

77.1147, 88.5803,
100.2221

77.1147, 88.5803,
100.2221

474.0410,
523.4017, 582.1573

57.6473, 66.8038,
75.8681

128.2734,
145.3648, 163.5169

41.7673, 48.9252,
55.8184

160.6953,
181.1415, 203.2948

29.1094, 34.5601,
39.6543

198.1661,
222.3538, 249.0511

19.3083, 23.3242,
26.9574

241.0512,
269.3860, 301.2043

11.9986, 14.8331,
17.3091

289.7159,
322.6224, 360.1730

6.8149, 8.7023,
10.2908

344.5255,

3.3919, 4.5475,

382.4476, 426.3757

5.4841

405.8454,
449.2459, 500.2309

■ 1.3642, 1.9843,
2.4703

■ 0.2305, 0.5983,
0.8244

■ 77.1147, 88.5803,
100.2221

■ 77.1147, 88.5803,
100.2221

■ 70.2174, 85.0700,
97.9580

■ 85.1320, 92.6721,
102.5680

■ 64.3807, 82.1035,
95.7673

■ 92.8214, 96.5920,
104.9225

■ 59.5515, 79.6558,
93.6493

■ 93.2086, 96.7469,
106.9612

■ 55.6689, 77.6956,
91.6010

■ 93.4772, 96.8543,
108.3757

■ 52.6655, 76.1880,
89.6191

■ 50.4649, 75.0938,
87.7000

■ 48.9778, 74.3668,
85.8395

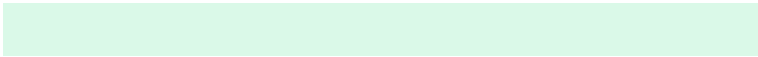
■ 48.0925, 73.9495,
84.0321

■ 47.8592, 73.8432,
83.3916

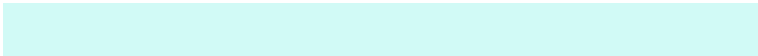
Harmonies

Analogous

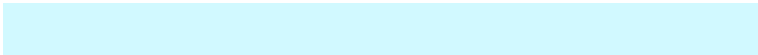
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.4224, 88.5803, 89.4191



77.1147, 88.5803, 100.2221



78.6589, 88.5803, 110.7637

Triad

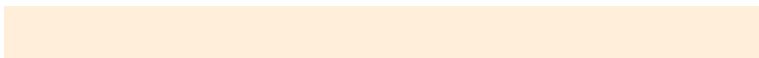
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.1147, 88.5803, 100.2221



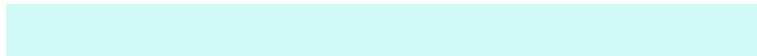
89.0532, 88.5803, 113.5833



86.7349, 88.5803, 77.8563

Complementary

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



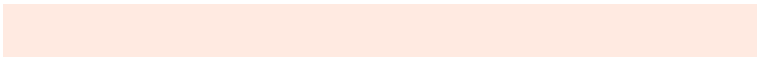
77.1147, 88.5803, 100.2221



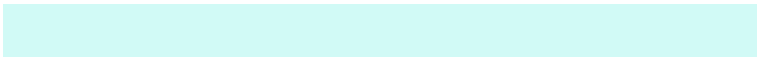
74.2383, 70.7316, 72.6945

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.



89.9806, 88.5803, 83.4238



77.1147, 88.5803, 100.2221



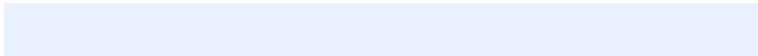
91.3470, 88.5803, 103.8378

Square

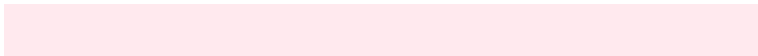
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.1147, 88.5803, 100.2221



85.5003, 88.5803, 118.8577



91.6915, 88.5803, 92.7716



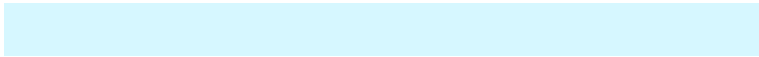
82.8989, 88.5803, 77.0500

Rectangle

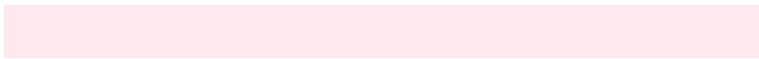
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



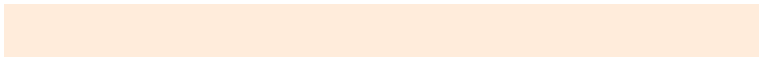
77.1147, 88.5803, 100.2221



80.5593, 88.5803, 116.0211



91.6915, 88.5803, 92.7716



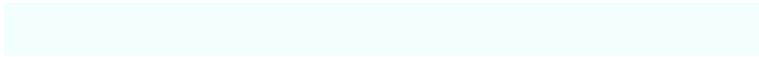
87.9342, 88.5803, 79.2117

Sweetspot

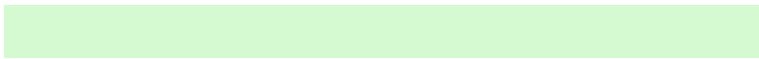
The Sweet Spot groups the original color and five complimentary colors.



77.1172, 88.5840, 100.2241



90.3140, 97.5816, 107.6356



73.1666, 87.1395, 73.2866



19.1937, 20.8164, 23.0008



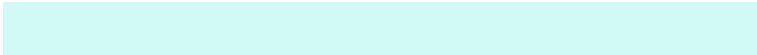
0.0000, 0.0000, 0.0000



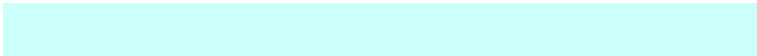
20.3446, 21.4041, 23.3091

Same Dimension

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



77.1172, 88.5840, 100.2241



77.9204, 91.2608, 103.9677



72.8616, 79.0786, 101.8701



17.6885, 19.5777, 21.8260



25.4150, 39.1790, 44.3901



2.3744, 3.6369, 4.2196

Inverse Universe

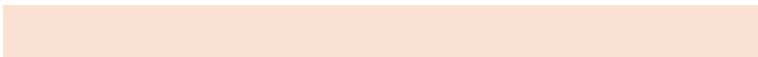
The Inverse Universe completely reimagines the original color for something new.



74.2383, 70.7316, 72.6945



74.3389, 69.0482, 69.7178



77.9696, 78.9974, 71.4619



17.3134, 17.2527, 18.2404



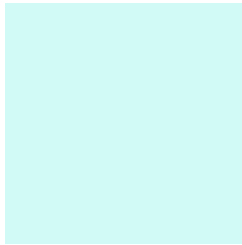
21.0246, 10.8256, 1.5720



1.9695, 1.0116, 0.2630

Previews

White Background



This preview shows how the XYZ color 77.1147, 88.5803, 100.2221 looks on a white background.

Color Contrast Check

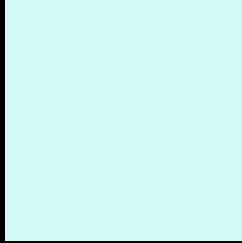
Large Text (above 18pt) WCAG AA × Fail

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 77.1147, 88.5803, 100.2221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

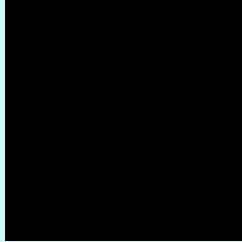
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

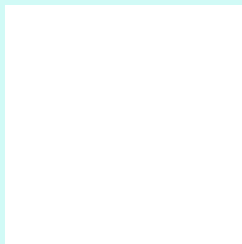
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.1147, 88.5803, 100.2221

Background



This preview shows how black text looks on a background with the XYZ color 77.1147, 88.5803, 100.2221.



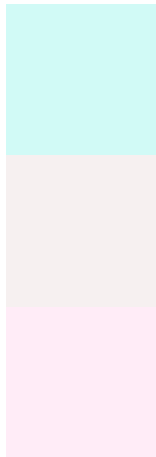
This preview shows how white text looks on a background with the XYZ color 77.1147, 88.5803,

100.2221.

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

77.1147, 88.5803, 100.2221

Protanopia

84.8943, 88.2043, 94.9888

Deuteranopia

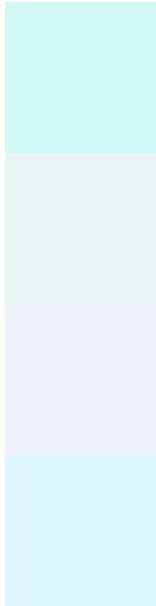
88.0240, 87.9663, 100.3355



Tritanopia

82.0792, 88.2523, 107.3161

Trichromacy



Original Color

77.1147, 88.5803, 100.2221

Protanomaly

81.9820, 88.4358, 96.7533

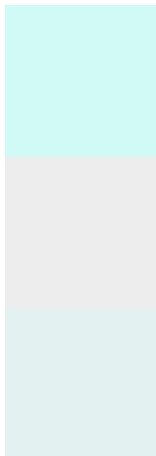
Deuteranomaly

83.5037, 87.8031, 100.5423

Tritanomaly

80.0417, 88.1555, 104.8925

Monochromacy



Original Color

77.1147, 88.5803, 100.2221

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.1589, 86.1264, 94.8900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.1147, 88.5803, 100.2221 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(209, 250, 246)` looks like.

```
.text, #text, p{  
    color:rgb(209, 250, 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(209, 250, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 250, 246) }
```

Border

The CSS property to change the border of an element to XYZ 77.1147, 88.5803, 100.2221 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(209, 250, 246) }
```


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

```
.border{ border-color:rgb(209, 250, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 250, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 250, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 250, 246);  
box-shadow:4px 4px 4px 4px rgb(209, 250,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 77.1147, 88.5803, 100.2221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 250, 246) }
```

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

```
.background{ background-color: rgb(209,  
250, 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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