

Converting Colors

XYZ(77.0837, 91.2195, 86.3074)

Have a look what the booklet for
XYZ(77.0837, 91.2195, 86.3074)
contains.

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Color

**XYZ(77.0657, 91.2122,
86.2170)**

Conversions

Conversions Part 1

Format	Color
Hex	D5FFE3
RGB	213, 255, 227
RGB Percent	84%, 100%, 89%
CMY	0.1647, 0.0000, 0.1098
CMYK	0.16, 0.00, 0.11, 0.00
HSL	140°, 100%, 92%
HSV	140°, 16%, 100%
XYZ	77.0657, 91.2122, 86.2170
YIQ	239.2500, -16.0440, -17.6120

Conversions

Conversions Part 2

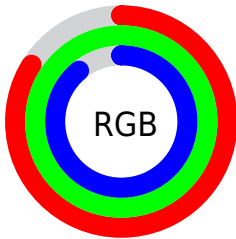
Format	Color
R _Y B	213, 245, 255
Decimal	14024675
CIE Lab	96.50, -18.66, 8.93
CIE LCh	96, 20.688, 154.423
Yxy	91.2122, 0.3028, 0.3584
Android (android.graphics.Color)	4292214755 (0xFFD5FFE3)
YUV	239.2500, -6.0393, -23.0212
Hunter-Lab	95.5051, -23.0973, 13.3296

Details

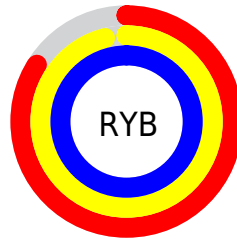
The XYZ color **77.0657, 91.2122, 86.2170** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **80.9118, 75.2002, 93.4694**, and the grayscale version is **82.2929, 86.5785, 94.2840**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7410, 50.6358, 46.6034** is the 20% darker color. If you saturate the color by 10%, you get **68.0097, 86.8015, 74.1443**, and if you desaturate by 10%, it is **87.5179, 96.3158, 99.5672**.

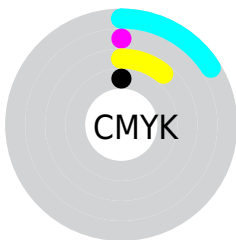
Distribution



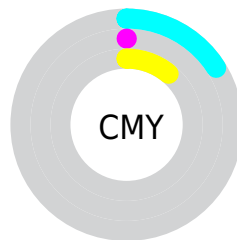
- Red (84%)
- Green (100%)
- Blue (89%)



- Red (84%)
- Yellow (96%)
- Blue (100%)



- Cyan (16%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)



- Cyan (16%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.0657, 91.2122, 86.2170 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 77.0657, 91.2122, 86.2170 by changing the saturation by 10% instead.

77.0657, 91.2122,
86.2170

77.0657, 91.2122,
86.2170

473.8765,
531.9662, 535.8957

57.6069, 68.9865,
64.2915

128.2046,
149.0211, 143.9615

41.7347, 50.7007,
46.4391

160.6154,
185.3730, 180.6176

29.0838, 35.9705,
32.2413

198.0742,
227.2024, 223.0209

19.2889, 24.4114,
21.2795

240.9464,
274.8938, 271.5901

11.9844, 15.6391,
13.1353

289.5974,
328.8314, 326.7436

6.8052, 9.2691,
7.3899

344.3925,

3.3858, 4.9171,

389.3998, 388.9000

3.6250

405.6971,
456.9833, 458.4779

■ 1.3609, 2.1987,
1.4220

■ 0.2281, 0.7193,
0.1588

■ 77.0657, 91.2122,
86.2170

■ 77.0657, 91.2122,
86.2170

■ 68.0097, 86.8015,
74.1443

■ 87.5179, 96.3158,
99.5672

■ 60.2866, 83.0520,
63.3071

95.0500, 100.0000,
108.9000

■ 53.8318, 79.9311,
53.6672

■ 48.5741, 77.4030,
45.1829

■ 44.4349, 75.4280,
37.8101

■ 41.3256, 73.9615,
31.5017

■ 39.1434, 72.9515,
26.2069

■ 37.7613, 72.3335,
21.8705

■ 37.3999, 72.1760,
20.5556

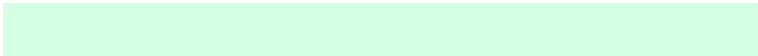
Harmonies

Analogous

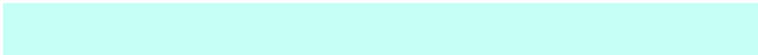
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.5717, 91.2122, 75.3393



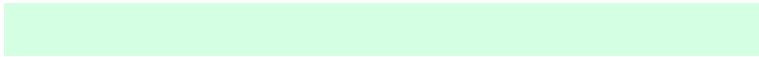
77.0657, 91.2122, 86.2170



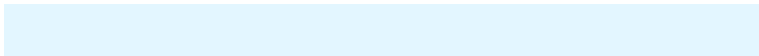
76.0951, 91.2122, 101.7858

Triad

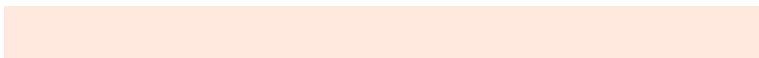
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.0657, 91.2122, 86.2170



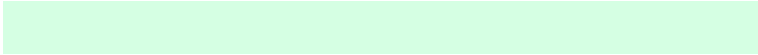
87.5531, 91.2122, 134.4879



96.1736, 91.2122, 82.4112

Complementary

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



77.0657, 91.2122, 86.2170



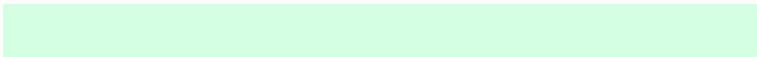
80.9118, 75.2002, 93.4694

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.



98.2350, 91.2122, 96.8837



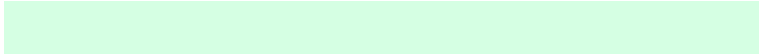
77.0657, 91.2122, 86.2170



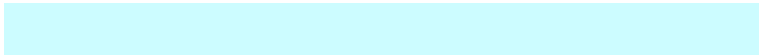
93.1198, 91.2122, 127.9027

Square

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



77.0657, 91.2122, 86.2170



81.9917, 91.2122, 130.8259



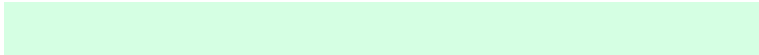
97.0936, 91.2122, 113.6757



91.5737, 91.2122, 73.3189

Rectangle

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



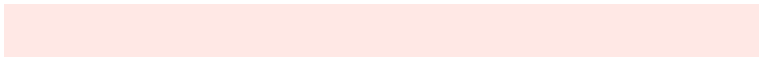
77.0657, 91.2122, 86.2170



76.9785, 91.2122, 113.0425



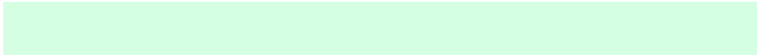
97.0936, 91.2122, 113.6757



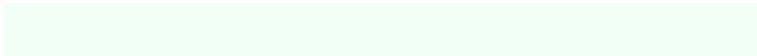
97.1954, 91.2122, 86.7457

Sweetspot

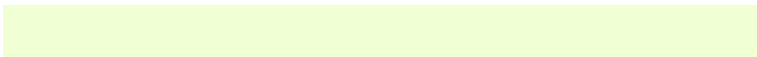
The Sweet Spot groups the original color and five complimentary colors.



77.0665, 91.2125, 86.2184



89.1753, 97.1261, 101.6391



84.0463, 95.0251, 76.8639



18.9168, 20.7057, 21.5422



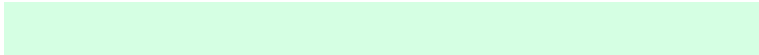
0.0000, 0.0000, 0.0000



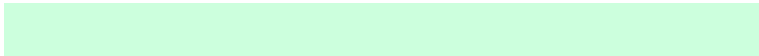
20.3446, 21.4041, 23.3091

Same Dimension

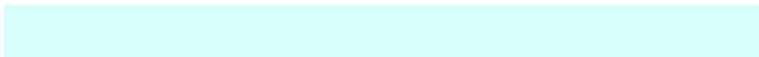
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.0665, 91.2125, 86.2184



73.7131, 89.5779, 81.8125



80.1444, 92.4437, 102.4265



18.0213, 20.2680, 20.4151



19.6038, 37.7381, 11.0648



1.9570, 3.6937, 1.3316

Inverse Universe

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



80.9118, 75.2002, 93.4694



78.2653, 70.6187, 90.3939



77.9531, 74.0167, 77.8892



18.5201, 18.1914, 21.3561



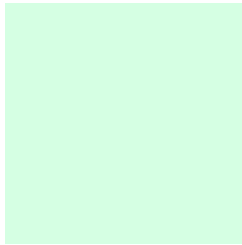
25.4120, 12.6541, 21.3517



2.5250, 1.2524, 2.3462

Previews

White Background



This preview shows how the XYZ color 77.0657, 91.2122, 86.2170 looks on a white background.

Color Contrast Check

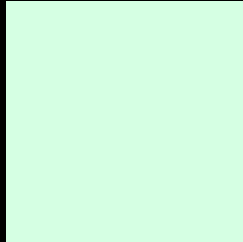
Large Text (above 18pt) WCAG AA × Fail

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 77.0657, 91.2122, 86.2170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

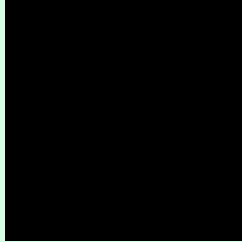
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

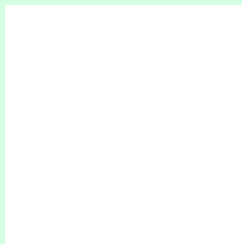
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.0657, 91.2122, 86.2170

Background



This preview shows how black text looks on a background with the XYZ color 77.0657, 91.2122, 86.2170.



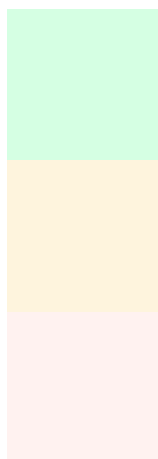
This preview shows how white text looks on a background with the XYZ color 77.0657, 91.2122,

86.2170.

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

77.0657, 91.2122, 86.2170

Protanopia

86.2749, 90.9927, 81.4228

Deuteranopia

88.7203, 91.0555, 95.3375



Tritanopia

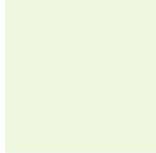
85.2667, 90.7937, 107.6386

Trichromacy



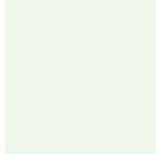
Original Color

77.0657, 91.2122, 86.2170



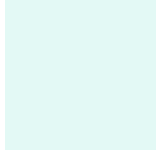
Protanomaly

82.4833, 90.8132, 82.9934



Deuteranomaly

84.1913, 91.0450, 91.7333



Tritanomaly

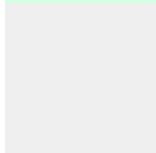
82.0357, 90.6748, 99.5645

Monochromacy



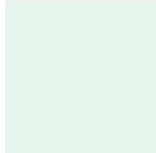
Original Color

77.0657, 91.2122, 86.2170



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

80.2809, 88.1260, 91.3760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.0657, 91.2122, 86.2170 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(213, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(213, 255, 227)  
}
```

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(213, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 255, 227) }
```

Border

The CSS property to change the border of an element to XYZ 77.0657, 91.2122, 86.2170 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(213, 255, 227) }
```


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

```
.border{ border-color:rgb(213, 255, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 255, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(213, 255,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 77.0657, 91.2122, 86.2170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 255, 227) }
```

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

```
.background{ background-color: rgb(213,  
255, 227) }
```

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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