

Converting Colors

XYZ(77.0768, 91.3186, 81.6665)

Have a look what the booklet for
XYZ(77.0768, 91.3186, 81.6665)
contains.

XYZ(77.1300, 91.3394, 81.9717)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(77.1300, 91.3394,
81.9717)**

Conversions

Conversions Part 1

Format	Color
Hex	D8FFDD
RGB	216, 255, 221
RGB Percent	85%, 100%, 87%
CMY	0.1529, 0.0000, 0.1333
CMYK	0.15, 0.00, 0.13, 0.00
HSL	128°, 100%, 92%
HSV	128°, 15%, 100%
XYZ	77.1300, 91.3394, 81.9717
YIQ	239.4630, -12.3300, -18.8420

Conversions

Conversions Part 2

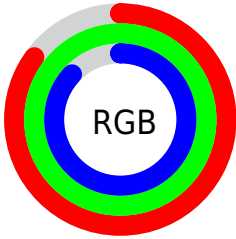
Format	Color
R_{YB}	216, 251, 255
Decimal	14221277
CIE _{Lab}	96.55, -18.76, 12.11
CIE _{LCh}	97, 22.326, 147.153
Yxy	91.3394, 0.3080, 0.3647
Android (android.graphics.Color)	4292411357 (0xFFD8FFDD)
YUV	239.4630, -9.1023, -20.5771
Hunter-Lab	95.5716, -23.1940, 16.0472

Details

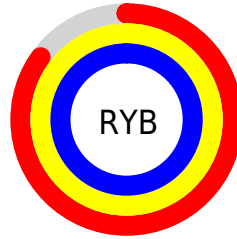
The XYZ color **77.1300, 91.3394, 81.9717** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **83.0514, 77.2745, 100.9801**, and the grayscale version is **82.4800, 86.7754, 94.4984**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7750, 50.7184, 43.6643** is the 20% darker color. If you saturate the color by 10%, you get **67.4030, 86.6447, 67.0656**, and if you desaturate by 10%, it is **88.4198, 96.7942, 99.0009**.

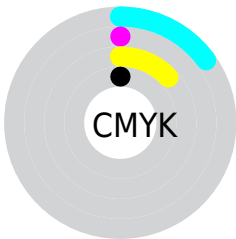
Distribution



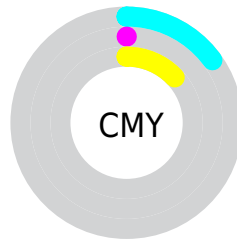
- Red (85%)
- Green (100%)
- Blue (87%)



- Red (85%)
- Yellow (98%)
- Blue (100%)



- Cyan (15%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)



- Cyan (15%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.1300, 91.3394, 81.9717 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 77.1300, 91.3394, 81.9717 by changing the saturation by 10% instead.

77.1300, 91.3394,
81.9717

77.1300, 91.3394,
81.9717

474.0923,
532.3783, 521.4340

57.6599, 69.0921,
60.8065

128.2948,
149.1975, 137.9706

41.7775, 50.7867,
43.6395

160.7203,
185.5770, 173.6415

29.1174, 36.0389,
30.0521

198.1948,
227.4361, 214.9847

19.3144, 24.4642,
19.6257

241.0839,
275.1591, 262.4187

12.0030, 15.6783,
11.9419

289.7528,
329.1305, 316.3621

6.8180, 9.2968,
6.5821

344.5670,

3.3938, 4.9353,

389.7345, 377.2334

3.1277

405.8917,
457.3556, 445.4512

■ 1.3653, 2.2093,
1.1602

■ 0.2313, 0.7251,
0.0000

■ 77.1300, 91.3394,
81.9717

■ 77.1300, 91.3394,
81.9717

■ 67.4030, 86.6447,
67.0656

■ 88.4198, 96.7942,
99.0009

■ 59.1675, 82.6755,
54.1953

95.0500, 100.0000,
108.9000

■ 52.3501, 79.3957,
43.2738

■ 46.8700, 76.7657,
34.2059

■ 42.6385, 74.7418,
26.8887

■ 39.5558, 73.2751,
21.2091

■ 37.5066, 72.3088,
17.0408

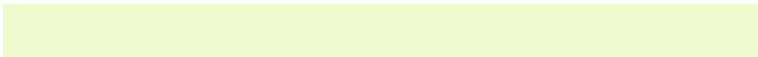
■ 36.3506, 71.7738,
14.2388

■ 36.0303, 71.6281,
13.3434

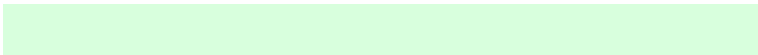
Harmonies

Analogous

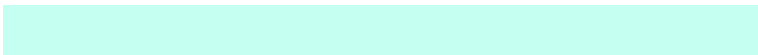
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.4595, 91.3394, 71.9292



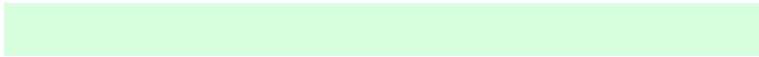
77.1300, 91.3394, 81.9717



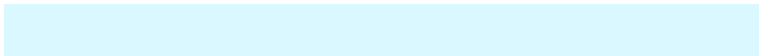
75.3860, 91.3394, 97.7575

Triad

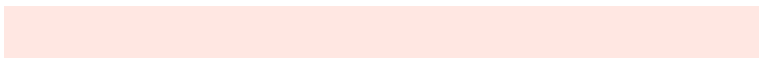
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.1300, 91.3394, 81.9717



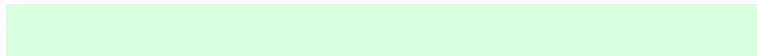
86.2213, 91.3394, 137.8283



97.9231, 91.3394, 84.5957

Complementary

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



77.1300, 91.3394, 81.9717



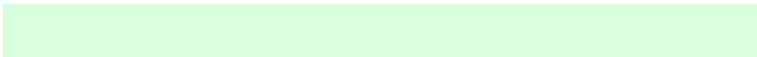
83.0514, 77.2745, 100.9801

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.



99.3453, 91.3394, 101.1681



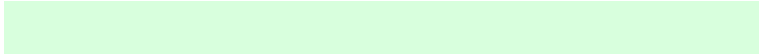
77.1300, 91.3394, 81.9717



92.4010, 91.3394, 133.2307

Square

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



77.1300, 91.3394, 81.9717



80.4750, 91.3394, 131.1692



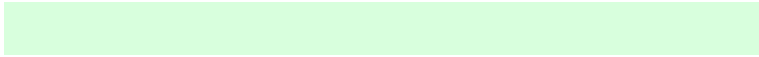
97.2794, 91.3394, 119.2583



93.4803, 91.3394, 73.3120

Rectangle

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



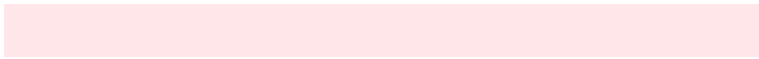
77.1300, 91.3394, 81.9717



75.8587, 91.3394, 109.9241



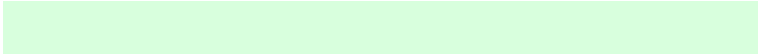
97.2794, 91.3394, 119.2583



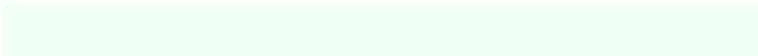
98.7793, 91.3394, 89.6691

Sweetspot

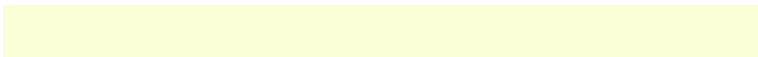
The Sweet Spot groups the original color and five complimentary colors.



77.1307, 91.3397, 81.9731



88.7755, 96.9662, 99.5337



87.7407, 96.8852, 79.0429



18.8199, 20.6669, 21.0320



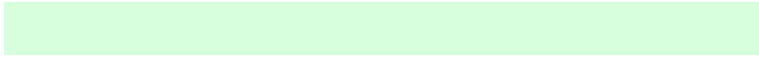
0.0000, 0.0000, 0.0000



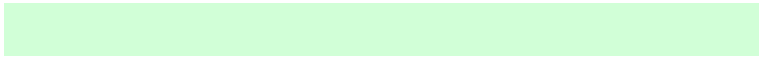
20.3446, 21.4041, 23.3091

Same Dimension

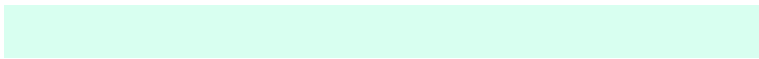
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.1307, 91.3397, 81.9731



74.3467, 89.9955, 77.7327



79.8150, 92.4134, 96.1083



17.8663, 20.2061, 19.5991



18.8557, 37.4389, 7.1256



1.8641, 3.6566, 0.8423

Inverse Universe

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



83.0514, 77.2745, 100.9801



81.1817, 73.7567, 99.6738



80.2131, 76.1391, 86.0335



18.6865, 18.2579, 22.2323



28.4986, 13.8887, 37.6055



2.8016, 1.3630, 3.8026

Previews

White Background



This preview shows how the XYZ color 77.1300, 91.3394, 81.9717 looks on a white background.

Color Contrast Check

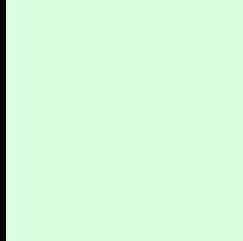
Large Text (above 18pt) WCAG AA × Fail

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 77.1300, 91.3394, 81.9717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

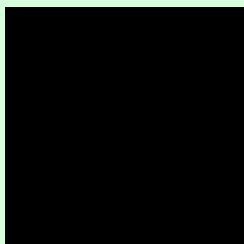
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

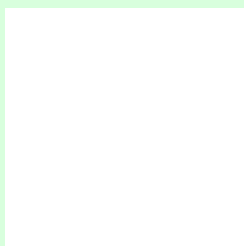
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.1300, 91.3394, 81.9717

Background



This preview shows how black text looks on a background with the XYZ color 77.1300, 91.3394, 81.9717.



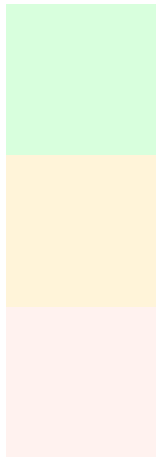
This preview shows how white text looks on a background with the XYZ color 77.1300, 91.3394,

81.9717.

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

77.1300, 91.3394, 81.9717

Protanopia

86.1151, 90.9711, 78.6661

Deuteranopia

88.5721, 90.9963, 94.5571



Tritanopia

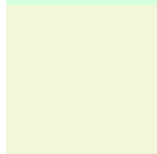
85.5978, 90.9644, 107.6541

Trichromacy



Original Color

77.1300, 91.3394, 81.9717



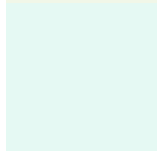
Protanomaly

82.4979, 90.8975, 79.5265



Deuteranomaly

84.1019, 91.0485, 89.4854



Tritanomaly

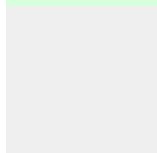
82.3664, 90.8804, 97.9945

Monochromacy



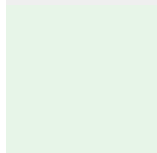
Original Color

77.1300, 91.3394, 81.9717



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

80.1729, 88.1199, 89.1272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.1300, 91.3394, 81.9717 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(216, 255, 221)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 221)  
}
```

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(216, 255, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 221) }
```

Border

The CSS property to change the border of an element to XYZ 77.1300, 91.3394, 81.9717 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(216, 255, 221) }
```


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

```
.border{ border-color:rgb(216, 255, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 255, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 255, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 255, 221);  
box-shadow:4px 4px 4px 4px rgb(216, 255,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 77.1300, 91.3394, 81.9717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 255, 221) }
```

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

```
.background{ background-color: rgb(216,  
255, 221) }
```

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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