

Converting Colors

XYZ(77.0035, 90.7674, 71.5712)

Have a look what the booklet for
XYZ(77.0035, 90.7674, 71.5712)
contains.

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Color

**XYZ(77.0063, 90.5541,
71.8125)**

Conversions

Conversions Part 1

Format	Color
Hex	E0FDCE
RGB	224, 253, 206
RGB Percent	88%, 99%, 81%
CMY	0.1216, 0.0078, 0.1921
CMYK	0.11, 0.00, 0.19, 0.01
HSL	97°, 92%, 90%
HSV	97°, 19%, 99%
XYZ	77.0063, 90.5541, 71.8125
YIQ	238.9710, -2.1970, -20.7650

Conversions

Conversions Part 2

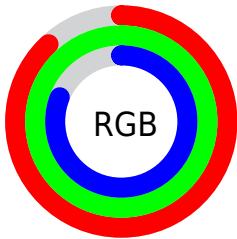
Format	Color
R _Y B	206, 253, 235
Decimal	14745038
CIE Lab	96.23, -17.61, 19.40
CIE LCh	96, 26.203, 132.231
Yxy	90.5541, 0.3217, 0.3783
Android (android.graphics.Color)	4292935118 (0xFFE0FDCE)
YUV	238.9710, -16.2547, -13.1296
Hunter-Lab	95.1599, -22.0822, 21.8687

Details

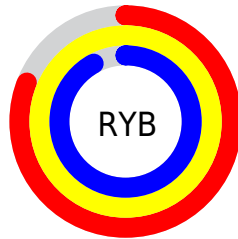
The XYZ color **77.0063, 90.5541, 71.8125** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.0656, 68.8992, 102.3286**, and the grayscale version is **82.1474, 86.4254, 94.1173**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5559, 50.0717, 37.1803** is the 20% darker color. If you saturate the color by 10%, you get **69.5588, 87.0445, 56.6908**, and if you desaturate by 10%, it is **85.3977, 94.4985, 89.5647**.

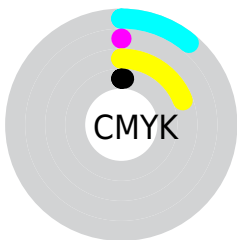
Distribution



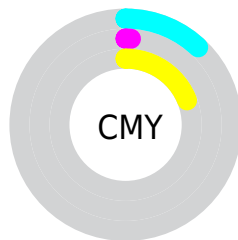
- Red (88%)
- Green (99%)
- Blue (81%)



- Red (81%)
- Yellow (99%)
- Blue (92%)



- Cyan (11%)
- Magenta (0%)
- Yellow (19%)
- Black (1%)



- Cyan (12%)
- Magenta (1%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.0063, 90.5541, 71.8125 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 77.0063, 90.5541, 71.8125 by changing the saturation by 10% instead.

77.0063, 90.5541,
71.8125

77.0063, 90.5541,
71.8125

473.6771,
529.8317, 485.8487

57.5580, 68.4403,
52.5196

128.1212,
148.1078, 123.4952

41.6953, 50.2560,
37.0343

160.5184,
184.3165, 156.7220

29.0528, 35.6169,
24.9381

197.9627,
225.9924, 195.4306

19.2653, 24.1384,
15.8123

240.8194,
273.5197, 240.0395

11.9673, 15.4364,
9.2385

289.4538,
327.2828, 290.9672

6.7934, 9.1262,
4.7982

344.2314,

3.3784, 4.8236,

387.6663, 348.6323

2.0727

405.5173,
455.0545, 413.4533

■ 1.3569, 2.1441,
0.5994

■ 0.2252, 0.6893,
0.0000

■ 77.0063, 90.5541,
71.8125

■ 77.0063, 90.5541,
71.8125

■ 69.5588, 87.0445,
56.6908

■ 85.3977, 94.4985,
89.5647

■ 63.0126, 83.9424,
44.0685

■ 94.4171, 98.7342,
108.6890

■ 57.3319, 81.2350,
33.8126

■ 52.4760, 78.9045,
25.7750

■ 48.3999, 76.9315,
19.7911

■ 45.0538, 75.2942,
15.6732

■ 42.3804, 73.9679,
13.1994

■ 40.3036, 72.9205,
12.0542

■ 40.0443, 72.7892,
11.9392

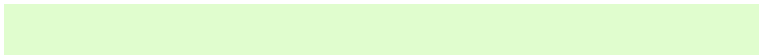
Harmonies

Analogous

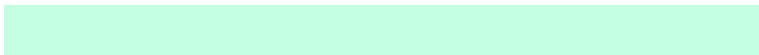
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.1398, 90.5541, 64.4026



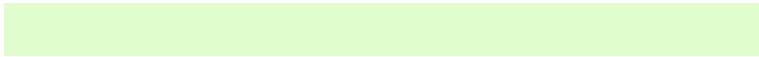
77.0063, 90.5541, 71.8125



73.4247, 90.5541, 86.8713

Triad

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



77.0063, 90.5541, 71.8125



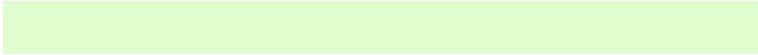
81.8705, 90.5541, 141.8751



100.4748, 90.5541, 90.3532

Complementary

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



77.0063, 90.5541, 71.8125



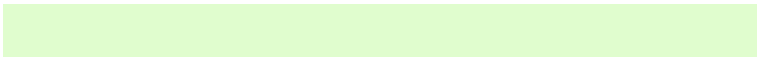
74.0656, 68.8992, 102.3286

Split Complementary

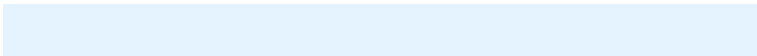
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.0874, 90.5541, 111.3352



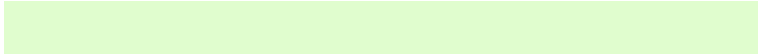
77.0063, 90.5541, 71.8125



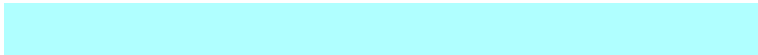
89.0661, 90.5541, 143.1559

Square

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



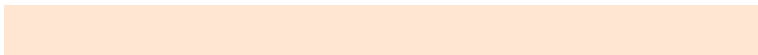
77.0063, 90.5541, 71.8125



76.1223, 90.5541, 128.0460



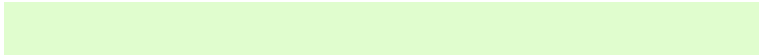
95.8161, 90.5541, 131.3318



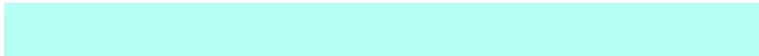
96.8464, 90.5541, 74.0511

Rectangle

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



77.0063, 90.5541, 71.8125



72.8356, 90.5541, 100.1653



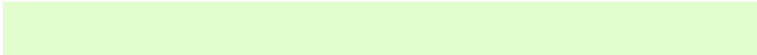
95.8161, 90.5541, 131.3318



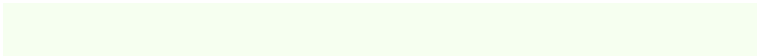
100.8153, 90.5541, 97.0472

Sweetspot

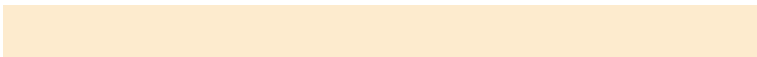
The Sweet Spot groups the original color and five complimentary colors.



77.0087, 90.5580, 71.8145



89.2951, 97.3066, 96.2803



81.3558, 84.7497, 70.4642



18.9834, 20.7670, 20.3271



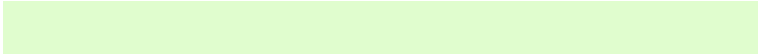
0.0000, 0.0000, 0.0000



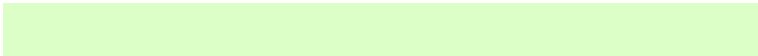
20.3446, 21.4041, 23.3091

Same Dimension

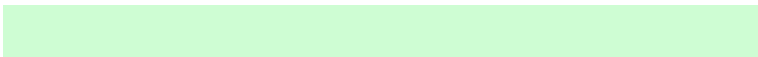
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.0087, 90.5580, 71.8145



75.6882, 90.9142, 67.5310



72.4002, 88.1039, 75.1377



18.4291, 20.5071, 19.1313



21.4508, 38.7964, 6.3579



2.2059, 3.8379, 0.6245

Inverse Universe

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



74.0656, 68.8992, 102.3286



72.2240, 65.4318, 103.4307



79.4511, 71.7750, 98.0851



18.0795, 17.9327, 22.7584



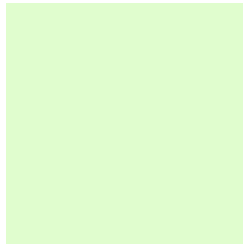
16.9048, 7.6253, 50.0154



1.7679, 0.8053, 4.8755

Previews

White Background



This preview shows how the XYZ color 77.0063, 90.5541, 71.8125 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 77.0063, 90.5541, 71.8125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

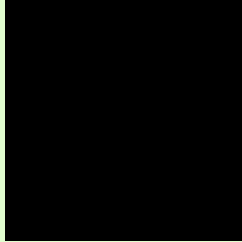
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

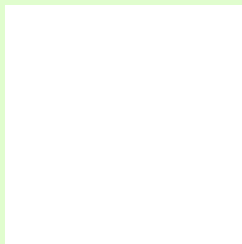
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.0063, 90.5541, 71.8125

Background



This preview shows how black text looks on a background with the XYZ color 77.0063, 90.5541, 71.8125.



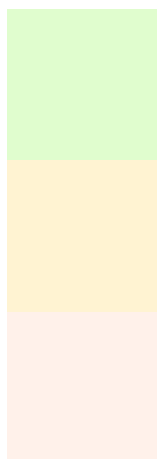
This preview shows how white text looks on a background with the XYZ color 77.0063, 90.5541,

71.8125.

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

77.0063, 90.5541, 71.8125

Protanopia

84.9235, 90.0143, 73.8713

Deuteranopia

87.5466, 90.1111, 90.6209



Tritanopia

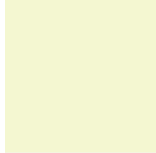
85.6606, 90.0985, 107.4837

Trichromacy



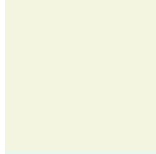
Original Color

77.0063, 90.5541, 71.8125



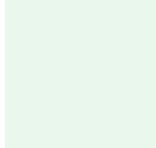
Protanomaly

82.0776, 90.3581, 73.4365



Deuteranomaly

83.4152, 89.9197, 83.4808



Tritanomaly

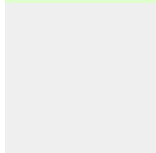
82.1511, 89.9596, 93.1549

Monochromacy



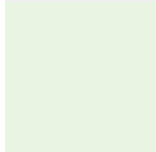
Original Color

77.0063, 90.5541, 71.8125



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

80.1475, 87.7398, 85.3843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.0063, 90.5541, 71.8125 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(224, 253, 206)` looks like.

```
.text, #text, p{  
    color:rgb(224, 253, 206)  
}
```

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(224, 253, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 253, 206) }
```

Border

The CSS property to change the border of an element to XYZ 77.0063, 90.5541, 71.8125 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(224, 253, 206) }
```


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

```
.border{ border-color:rgb(224, 253, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 253, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 253, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 253, 206);  
box-shadow:4px 4px 4px 4px rgb(224, 253,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 77.0063, 90.5541, 71.8125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 253, 206) }
```

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

```
.background{ background-color: rgb(224,  
253, 206) }
```

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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