

Converting Colors

XYZ(77.0582, 90.9359, 77.3848)

Have a look what the booklet for
XYZ(77.0582, 90.9359, 77.3848)
contains.

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Color

**XYZ(77.0946, 90.9543,
77.1109)**

Conversions

Conversions Part 1

Format	Color
Hex	DCFED6
RGB	220, 254, 214
RGB Percent	86%, 100%, 84%
CMY	0.1372, 0.0039, 0.1608
CMYK	0.13, 0.00, 0.16, 0.00
HSL	111°, 95%, 92%
HSV	111°, 16%, 100%
XYZ	77.0946, 90.9543, 77.1109
YIQ	239.2740, -7.4240, -19.6480

Conversions

Conversions Part 2

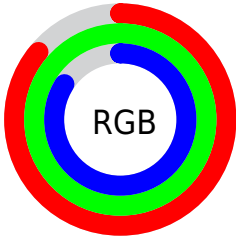
Format	Color
RYB	214, 254, 248
Decimal	14483158
CIELab	96.39, -18.15, 15.51
CIELCh	96, 23.868, 139.484
Yxy	90.9543, 0.3145, 0.3710
Android (android.graphics.Color)	4292673238 (0xFFDCFED6)
YUV	239.2740, -12.4601, -16.9033
Hunter-Lab	95.3700, -22.6027, 18.8203

Details

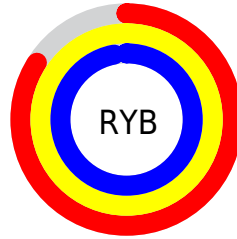
The XYZ color **77.0946, 90.9543, 77.1109** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **80.6510, 75.2079, 104.0365**, and the grayscale version is **82.3578, 86.6468, 94.3584**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7413, 50.4350, 40.3358** is the 20% darker color. If you saturate the color by 10%, you get **67.9826, 86.6056, 61.0511**, and if you desaturate by 10%, it is **87.5614, 95.9482, 95.8784**.

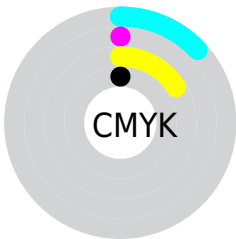
Distribution



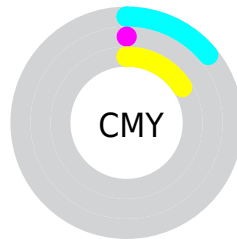
- Red (86%)
- Green (100%)
- Blue (84%)



- Red (84%)
- Yellow (100%)
- Blue (97%)



- Cyan (13%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)



- Cyan (14%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.0946, 90.9543, 77.1109 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 77.0946, 90.9543, 77.1109 by changing the saturation by 10% instead.

77.0946, 90.9543,
77.1109

77.0946, 90.9543,
77.1109

473.9735,
531.1303, 504.5898

57.6307, 68.7724,
56.8318

128.2451,
148.6633, 131.0705

41.7539, 50.5264,
40.4617

160.6625,
184.9591, 165.5880

29.0989, 35.8318,
27.5822

198.1284,
226.7284, 205.6887

19.3003, 24.3043,
17.7747

241.0082,
274.3555, 251.7913

11.9928, 15.5595,
10.6206

289.6673,
328.2249, 304.3141

6.8109, 9.2130,
5.7014

344.4709,

3.3894, 4.8804,

388.7209, 363.6757

2.5985

405.7846,
456.2279, 430.2948

■ 1.3629, 2.1772,
0.8917

■ 0.2295, 0.7075,
0.0000

■ 77.0946, 90.9543,
77.1109

■ 77.0946, 90.9543,
77.1109

■ 67.9826, 86.6056,
61.0511

■ 87.5614, 95.9482,
95.8784

■ 60.1627, 82.8646,
47.5683

94.7336, 99.3672,
108.7945

■ 53.5779, 79.7075,
36.5303

■ 48.1642, 77.1045,
27.7903

■ 43.8517, 75.0230,
21.1863

■ 40.5629, 73.4271,
16.5349

■ 38.2096, 72.2760,
13.6218

■ 36.6877, 71.5217,
12.1819

■ 36.2464, 71.3010,
11.8521

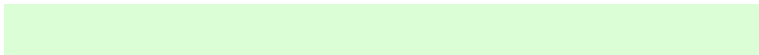
Harmonies

Analogous

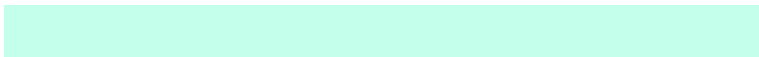
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.2571, 90.9543, 68.3853



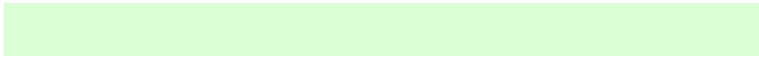
77.0946, 90.9543, 77.1109



74.4848, 90.9543, 92.5035

Triad

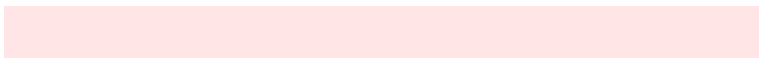
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.0946, 90.9543, 77.1109



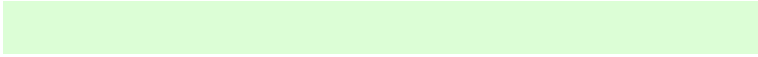
84.1380, 90.9543, 139.5474



99.0638, 90.9543, 87.3226

Complementary

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



77.0946, 90.9543, 77.1109



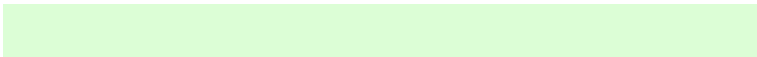
80.6510, 75.2079, 104.0365

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.



99.6311, 90.9543, 105.8643



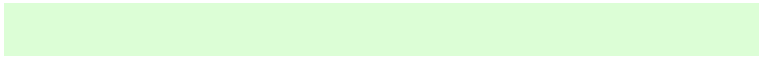
77.0946, 90.9543, 77.1109



90.7817, 90.9543, 137.6945

Square

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



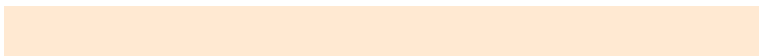
77.0946, 90.9543, 77.1109



78.4108, 90.9543, 129.5404



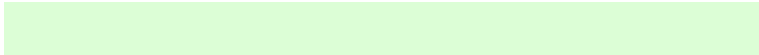
96.5318, 90.9543, 124.7616



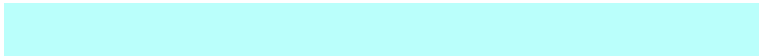
95.0193, 90.9543, 73.7372

Rectangle

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



77.0946, 90.9543, 77.1109



74.4486, 90.9543, 105.1865



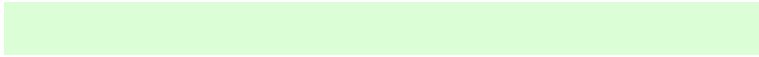
96.5318, 90.9543, 124.7616



99.6750, 90.9543, 93.1258

Sweetspot

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



77.0971, 90.9582, 77.1129



89.1891, 97.2079, 98.2636



86.5819, 93.0650, 77.0196



18.9200, 20.7254, 20.7248



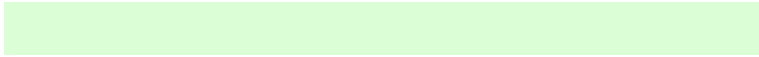
0.0000, 0.0000, 0.0000



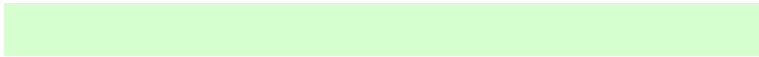
20.3446, 21.4041, 23.3091

Same Dimension

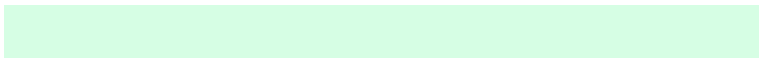
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.0971, 90.9582, 77.1129



74.6454, 90.2715, 72.2334



77.1798, 90.7853, 86.8567



18.0250, 20.2988, 19.1124



19.1831, 37.6273, 6.2518



1.9390, 3.7004, 0.6120

Inverse Universe

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



80.6510, 75.2079, 104.0365



78.8711, 71.5358, 104.2586



80.6510, 75.4576, 92.7555



18.5092, 18.1543, 22.7785



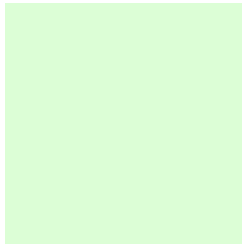
24.4475, 11.5136, 50.3684



2.4498, 1.1568, 4.9074

Previews

White Background



This preview shows how the XYZ color 77.0946, 90.9543, 77.1109 looks on a white background.

Color Contrast Check

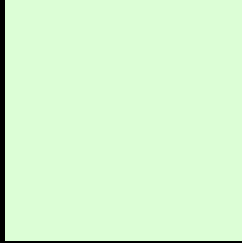
Large Text (above 18pt) WCAG AA × Fail

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 77.0946, 90.9543, 77.1109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

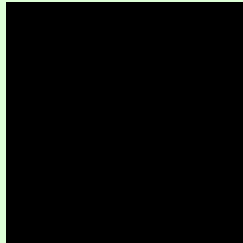
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

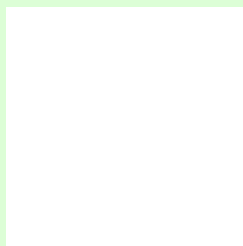
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.0946, 90.9543, 77.1109

Background



This preview shows how black text looks on a background with the XYZ color 77.0946, 90.9543, 77.1109.



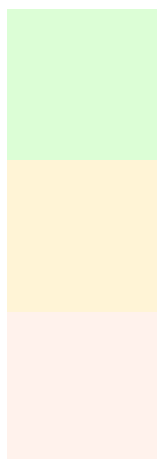
This preview shows how white text looks on a background with the XYZ color 77.0946, 90.9543,

77.1109.

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

77.0946, 90.9543, 77.1109

Protanopia

85.7283, 90.8164, 76.6293

Deuteranopia

88.1325, 90.8204, 92.2419



Tritanopia

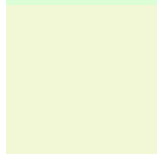
85.6275, 90.5293, 107.5686

Trichromacy



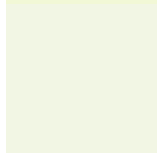
Original Color

77.0946, 90.9543, 77.1109



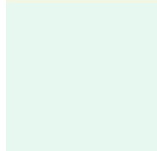
Protanomaly

82.3230, 90.8671, 76.8185



Deuteranomaly

83.5773, 90.3902, 86.4408



Tritanomaly

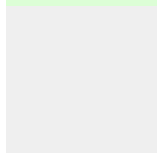
82.2506, 90.4150, 95.5548

Monochromacy



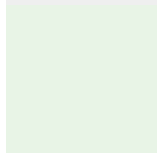
Original Color

77.0946, 90.9543, 77.1109



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

79.9123, 87.5703, 87.5538

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.0946, 90.9543, 77.1109 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(220, 254, 214)` looks like.

```
.text, #text, p{  
    color:rgb(220, 254, 214)  
}
```

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(220, 254, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 254, 214) }
```

Border

The CSS property to change the border of an element to XYZ 77.0946, 90.9543, 77.1109 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(220, 254, 214) }
```


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

```
.border{ border-color:rgb(220, 254, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 254, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 254, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 254, 214);  
box-shadow:4px 4px 4px 4px rgb(220, 254,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 77.0946, 90.9543, 77.1109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 254, 214) }
```

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

```
.background{ background-color: rgb(220,  
254, 214) }
```

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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