

Converting Colors

XYZ(76.8419, 91.5216, 67.0125)

Have a look what the booklet for
XYZ(76.8419, 91.5216, 67.0125)
contains.

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Color

**XYZ(76.6935, 91.4445,
67.0345)**

Conversions

Conversions Part 1

Format	Color
Hex	E0FFC6
RGB	224, 255, 198
RGB Percent	88%, 100%, 78%
CMY	0.1216, 0.0000, 0.2235
CMYK	0.12, 0.00, 0.22, 0.00
HSL	93°, 100%, 89%
HSV	93°, 22%, 100%
XYZ	76.6935, 91.4445, 67.0345
YIQ	239.2330, -0.1790, -24.2990

Conversions

Conversions Part 2

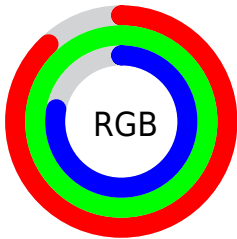
Format	Color
RYB	198, 255, 229
Decimal	14745542
CIELab	96.59, -19.82, 23.98
CIELCh	97, 31.117, 129.575
Yxy	91.4445, 0.3261, 0.3888
Android (android.graphics.Color)	4292935622 (0xFFE0FFC6)
YUV	239.2330, -20.3279, -13.3593
Hunter-Lab	95.6266, -24.1878, 25.3762

Details

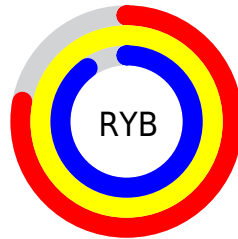
The XYZ color **76.6935, 91.4445, 67.0345** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.5582, 64.2675, 103.2938**, and the grayscale version is **82.3785, 86.6686, 94.3821**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.3766, 50.7266, 33.9960** is the 20% darker color. If you saturate the color by 10%, you get **69.8708, 88.2390, 52.6324**, and if you desaturate by 10%, it is **84.3632, 95.0294, 84.0637**.

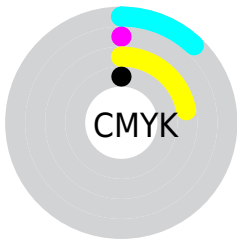
Distribution



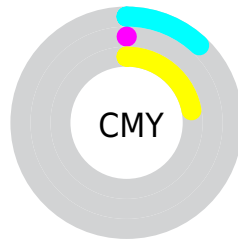
- Red (88%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (90%)



- Cyan (12%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (12%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.6935, 91.4445, 67.0345 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 76.6935, 91.4445, 67.0345 by changing the saturation by 10% instead.


 76.6935, 91.4445,
67.0345

 76.6935, 91.4445,
67.0345


472.6264,
532.7186, 468.5724

 57.3004, 69.1793,
48.6509


127.6819,
149.3433, 116.6110

 41.4875, 50.8578,
33.9790


160.0079,
185.7456, 148.6409

 28.8896, 36.0954,
22.6002


197.3755,
227.6292, 186.0567

 19.1412, 24.5079,
14.0961

240.1502,
275.3783, 229.2769

 11.8769, 15.7108,
8.0480

288.6973,
329.3774, 278.7200

 6.7315, 9.3198,
4.0375

343.3821,

 3.3396, 4.9503,

390.0109, 334.8046

1.6459

404.5700,
457.6632, 397.9492

■ 1.3358, 2.2181,
0.3233

■ 0.2098, 0.7299,
0.0000

■ 76.6935, 91.4445,
67.0345

■ 76.6935, 91.4445,
67.0345

■ 69.8708, 88.2390,
52.6324

■ 84.3632, 95.0294,
84.0637

■ 63.8602, 85.3978,
40.7223

■ 92.9093, 99.0063,
103.8377

■ 58.6269, 82.9061,
31.1636

■ 95.0500, 100.0000,
108.9000

■ 54.1322, 80.7473,
23.7996

■ 50.3334, 78.9033,
18.4549

■ 47.1824, 77.3537,
14.9269

■ 44.6225, 76.0747,
12.9709

■ 43.0043, 75.2546,
12.2590

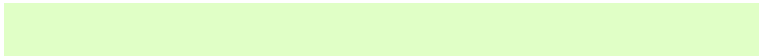
Harmonies

Analogous

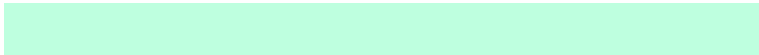
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.1639, 91.4445, 59.4244



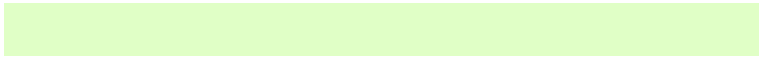
76.6935, 91.4445, 67.0345



72.1708, 91.4445, 83.7759

Triad

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



76.6935, 91.4445, 67.0345



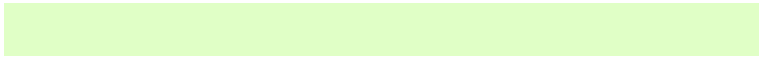
81.2106, 91.4445, 151.5140



104.4646, 91.4445, 91.8137

Complementary

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



76.6935, 91.4445, 67.0345



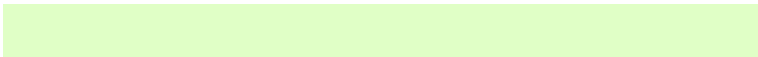
70.5582, 64.2675, 103.2938

Split Complementary

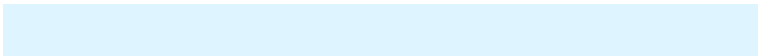
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.5425, 91.4445, 117.2285



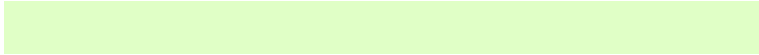
76.6935, 91.4445, 67.0345



89.7259, 91.4445, 154.6351

Square

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



76.6935, 91.4445, 67.0345



74.6555, 91.4445, 133.2919



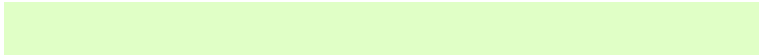
98.0071, 91.4445, 141.2198



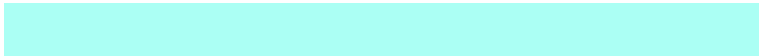
100.4487, 91.4445, 72.0731

Rectangle

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



76.6935, 91.4445, 67.0345



71.2466, 91.4445, 99.2129



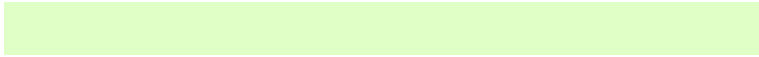
98.0071, 91.4445, 141.2198



104.7276, 91.4445, 99.9230

Sweetspot

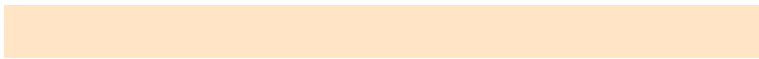
The Sweet Spot groups the original color and five complimentary colors.



76.6940, 91.4448, 67.0359



88.8261, 97.1082, 94.2978



79.2872, 81.0451, 64.8918



18.9020, 20.7338, 19.9280



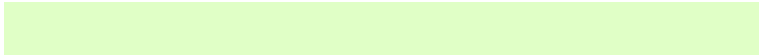
0.0000, 0.0000, 0.0000



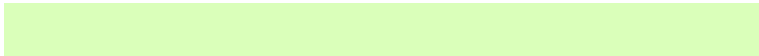
20.3446, 21.4041, 23.3091

Same Dimension

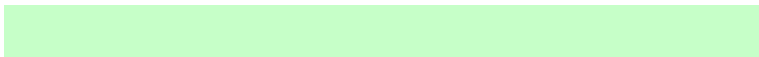
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.6940, 91.4448, 67.0359



73.4194, 89.9084, 60.0225



69.4632, 87.6916, 67.8488



18.5587, 20.5739, 19.1373



22.6379, 39.4083, 6.4134



2.3282, 3.9010, 0.6303

Inverse Universe

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



70.5582, 64.2675, 103.2938



66.2557, 58.1837, 102.3463



79.1802, 68.7474, 102.1085



17.9471, 17.8645, 22.7522



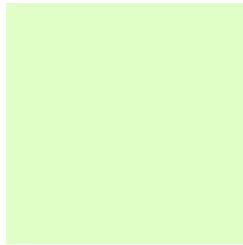
15.1421, 6.7165, 49.9329



1.6004, 0.7189, 4.8677

Previews

White Background



This preview shows how the XYZ color 76.6935, 91.4445, 67.0345 looks on a white background.

Color Contrast Check

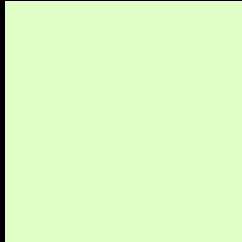
Large Text (above 18pt) WCAG AA × Fail

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 76.6935, 91.4445, 67.0345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

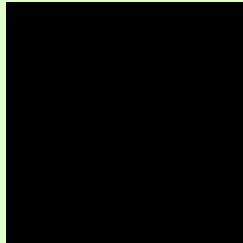
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

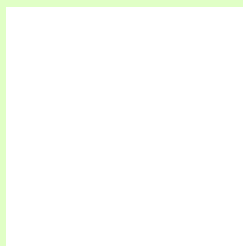
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.6935, 91.4445, 67.0345

Background



This preview shows how black text looks on a background with the XYZ color 76.6935, 91.4445, 67.0345.



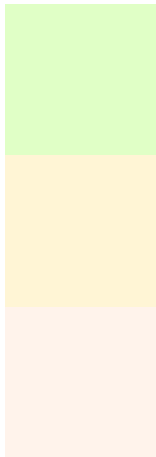
This preview shows how white text looks on a background with the XYZ color 76.6935, 91.4445,

67.0345.

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

76.6935, 91.4445, 67.0345

Protanopia

85.9026, 91.3689, 76.0592

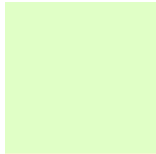
Deuteranopia

88.2860, 91.3593, 91.5782

Tritanopia

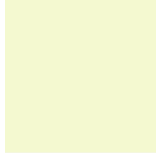
86.6376, 91.0501, 107.6159

Trichromacy



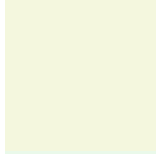
Original Color

76.6935, 91.4445, 67.0345



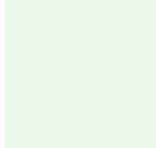
Protanomaly

82.5691, 91.5385, 72.9914



Deuteranomaly

83.7538, 91.0286, 82.2632



Tritanomaly

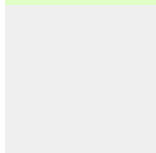
82.6586, 91.1843, 91.0857

Monochromacy



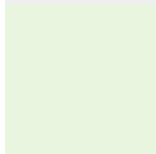
Original Color

76.6935, 91.4445, 67.0345



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

80.0386, 88.1791, 83.3228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.6935, 91.4445, 67.0345 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, 255, 198)` looks like.

```
.text, #text, p{  
    color:rgb(224, 255, 198)  
}
```

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, 255, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 255, 198) }
```

Border

The CSS property to change the border of an element to XYZ 76.6935, 91.4445, 67.0345 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, 255, 198) }
```


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

```
.border{ border-color:rgb(224, 255, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 255, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 255, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 255, 198);  
box-shadow:4px 4px 4px 4px rgb(224, 255,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 76.6935, 91.4445, 67.0345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 255, 198) }
```

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

```
.background{ background-color: rgb(224,  
255, 198) }
```

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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