

Converting Colors

XYZ(77.5623, 91.8108, 70.7600)

Have a look what the booklet for
XYZ(77.5623, 91.8108, 70.7600)
contains.

XYZ(77.7104, 91.8872, 70.7670)	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(77.7104, 91.8872,
70.7670)**

Conversions

Conversions Part 1

Format	Color
Hex	E1FFCC
RGB	225, 255, 204
RGB Percent	88%, 100%, 80%
CMY	0.1176, 0.0000, 0.2000
CMYK	0.12, 0.00, 0.20, 0.00
HSL	95°, 100%, 90%
HSV	95°, 20%, 100%
XYZ	77.7104, 91.8872, 70.7670
YIQ	240.2160, -1.5090, -22.2210

Conversions

Conversions Part 2

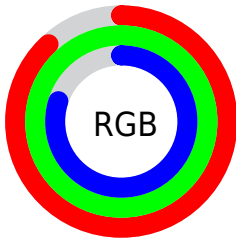
Format	Color
R_{YB}	204, 255, 234
Decimal	14811084
CIE _{Lab}	96.77, -18.56, 21.20
CIE _{LCh}	97, 28.172, 131.203
Yxy	91.8872, 0.3233, 0.3823
Android (android.graphics.Color)	4293001164 (0xFFE1FFCC)
YUV	240.2160, -17.8545, -13.3444
Hunter-Lab	95.8578, -23.0441, 23.3296

Details

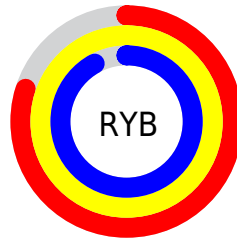
The XYZ color **77.7104, 91.8872, 70.7670** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.5755, 67.8994, 103.8358**, and the grayscale version is **83.1293, 87.4585, 95.2424**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0613, 51.0252, 36.4861** is the 20% darker color. If you saturate the color by 10%, you get **70.4249, 88.4563, 55.7463**, and if you desaturate by 10%, it is **85.9087, 95.7307, 88.4469**.

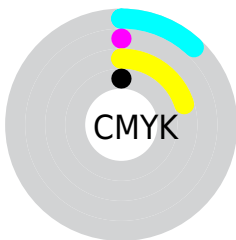
Distribution



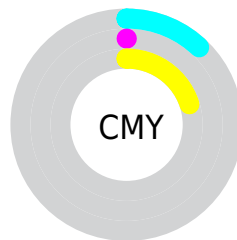
- Red (88%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (92%)



- Cyan (12%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)



- Cyan (12%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.7104, 91.8872, 70.7670 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 77.7104, 91.8872, 70.7670 by changing the saturation by 10% instead.

77.7104, 91.8872,
70.7670

77.7104, 91.8872,
70.7670

476.0376,
534.1509, 482.1002

58.1381, 69.5469,
51.6714

129.1093,
149.9570, 121.9933

42.1633, 51.1573,
36.3628

161.6666,
186.4554, 154.9610

29.4209, 36.3338,
24.4226

199.2830,
228.4420, 193.3899

19.5453, 24.6921,
15.4323

242.3237,
276.3011, 237.6984

12.1713, 15.8478,
8.9734

291.1542,
330.4171, 288.3052

6.9335, 9.4165,
4.6272

346.1397,

3.4665, 5.0138,

391.1745, 345.6287

1.9754

407.6458,
458.9576, 410.0875

■ 1.4050, 2.2554,
0.5401

■ 0.2598, 0.7499,
0.0000

■ 77.7104, 91.8872,
70.7670

■ 77.7104, 91.8872,
70.7670

■ 70.4249, 88.4563,
55.7463

■ 85.9087, 95.7307,
88.4469

■ 64.0158, 85.4221,
43.2521

95.0500, 100.0000,
108.9000

■ 58.4460, 82.7688,
33.1462

■ 53.6754, 80.4787,
25.2759

■ 49.6597, 78.5328,
19.4704

■ 46.3492, 76.9099,
15.5345

■ 43.6866, 75.5854,
13.2353

■ 41.5856, 74.5232,
12.1927

■ 41.5855, 74.5231,
12.1926

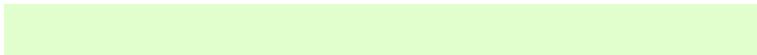
Harmonies

Analogous

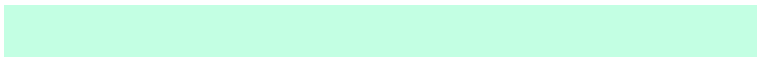
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4190, 91.8872, 63.1659



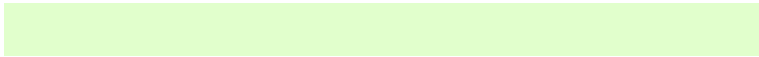
77.7104, 91.8872, 70.7670



73.7353, 91.8872, 86.6808

Triad

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



77.7104, 91.8872, 70.7670



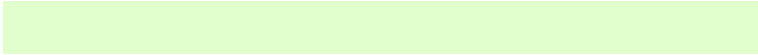
82.5340, 91.8872, 147.1232



103.0944, 91.8872, 91.8362

Complementary

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



77.7104, 91.8872, 70.7670



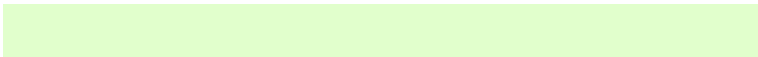
73.5755, 67.8994, 103.8358

Split Complementary

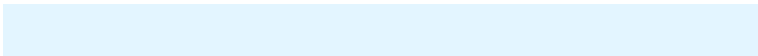
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.5141, 91.8872, 114.7267



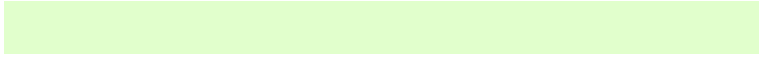
77.7104, 91.8872, 70.7670



90.3195, 91.8872, 149.0595

Square

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



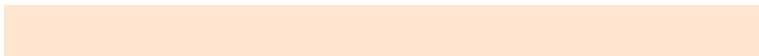
77.7104, 91.8872, 70.7670



76.4022, 91.8872, 131.5174



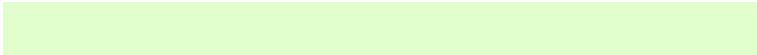
97.7254, 91.8872, 136.4658



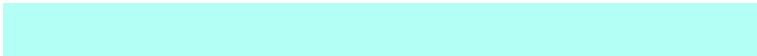
99.2662, 91.8872, 74.0499

Rectangle

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



77.7104, 91.8872, 70.7670



73.0172, 91.8872, 100.9652



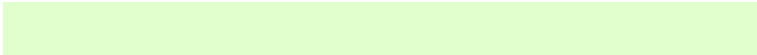
97.7254, 91.8872, 136.4658



103.4141, 91.8872, 99.1395

Sweetspot

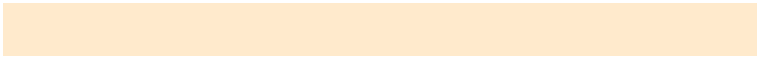
The Sweet Spot groups the original color and five complimentary colors.



77.7110, 91.8874, 70.7684



89.4496, 97.3863, 96.2875



81.4913, 84.3236, 69.1092



19.0199, 20.7858, 20.3288



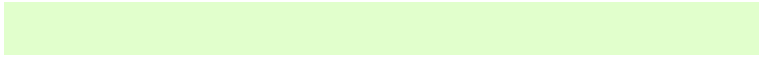
0.0000, 0.0000, 0.0000



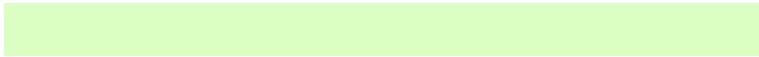
20.3446, 21.4041, 23.3091

Same Dimension

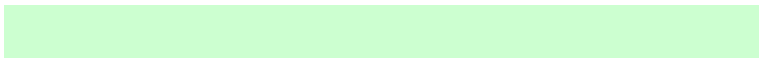
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.7110, 91.8874, 70.7684



74.6884, 90.4661, 64.4464



72.0787, 88.9242, 73.2023



18.4800, 20.5333, 19.1337



21.8889, 39.0222, 6.3784



2.2517, 3.8616, 0.6267

Inverse Universe

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



73.5755, 67.8994, 103.8358



69.8664, 62.5046, 102.9900



80.2066, 71.3961, 100.6139



18.0272, 17.9058, 22.7560



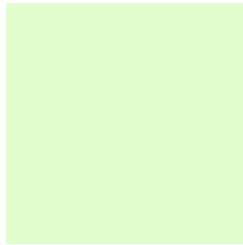
16.1776, 7.2503, 49.9814



1.6993, 0.7700, 4.8723

Previews

White Background



This preview shows how the XYZ color 77.7104, 91.8872, 70.7670 looks on a white background.

Color Contrast Check

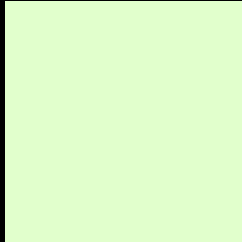
Large Text (above 18pt) WCAG AA × Fail

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 77.7104, 91.8872, 70.7670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

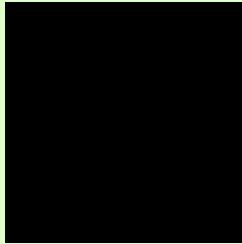
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

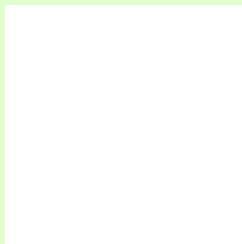
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.7104, 91.8872, 70.7670

Background



This preview shows how black text looks on a background with the XYZ color 77.7104, 91.8872, 70.7670.



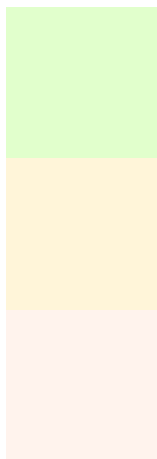
This preview shows how white text looks on a background with the XYZ color 77.7104, 91.8872,

70.7670.

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

77.7104, 91.8872, 70.7670

Protanopia

86.4168, 91.5746, 78.7666

Deuteranopia

88.5767, 91.4756, 93.1088



Tritanopia

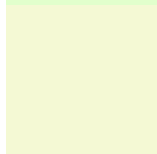
87.2814, 91.8323, 107.7329

Trichromacy



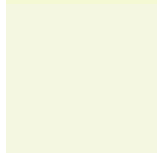
Original Color

77.7104, 91.8872, 70.7670



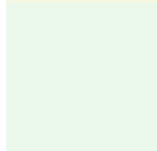
Protanomaly

83.0676, 91.7379, 75.6164



Deuteranomaly

84.1596, 91.1909, 84.4001



Tritanomaly

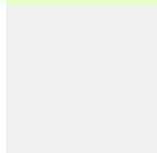
83.2770, 91.4697, 92.6231

Monochromacy



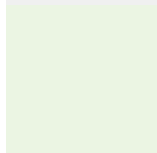
Original Color

77.7104, 91.8872, 70.7670



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

80.7785, 88.5130, 85.5003

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.7104, 91.8872, 70.7670 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(225, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(225, 255, 204)  
}
```

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(225, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 255, 204) }
```

Border

The CSS property to change the border of an element to XYZ 77.7104, 91.8872, 70.7670 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(225, 255, 204) }
```


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

```
.border{ border-color:rgb(225, 255, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(225, 255,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 77.7104, 91.8872, 70.7670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 255, 204) }
```

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

```
.background{ background-color: rgb(225,  
255, 204) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor