

Converting Colors

XYZ(78.0563, 92.0654, 70.7869)

Have a look what the booklet for
XYZ(78.0563, 92.0654, 70.7869)
contains.

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Color

**XYZ(78.0231, 92.0484,
70.7816)**

Conversions

Conversions Part 1

Format	Color
Hex	E2FFCC
RGB	226, 255, 204
RGB Percent	89%, 100%, 80%
CMY	0.1137, 0.0000, 0.2000
CMYK	0.11, 0.00, 0.20, 0.00
HSL	94°, 100%, 90%
HSV	94°, 20%, 100%
XYZ	78.0231, 92.0484, 70.7816
YIQ	240.5150, -0.9130, -22.0090

Conversions

Conversions Part 2

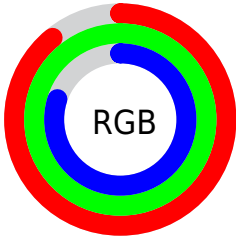
Format	Color
RYB	204, 255, 233
Decimal	14876620
CIELab	96.84, -18.22, 21.30
CIElCh	97, 28.025, 130.539
Yxy	92.0484, 0.3239, 0.3822
Android (android.graphics.Color)	4293066700 (0xFFE2FFCC)
YUV	240.5150, -18.0019, -12.7297
Hunter-Lab	95.9419, -22.7361, 23.4178

Details

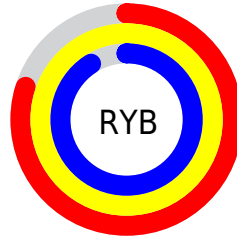
The XYZ color **78.0231, 92.0484, 70.7816** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.2481, 67.7306, 103.8205**, and the grayscale version is **83.3648, 87.7063, 95.5121**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2767, 51.1362, 36.4962** is the 20% darker color. If you saturate the color by 10%, you get **70.8541, 88.6775, 55.7664**, and if you desaturate by 10%, it is **86.0786, 95.8183, 88.4548**.

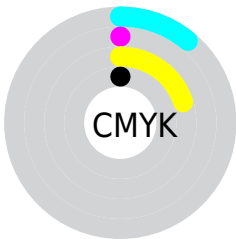
Distribution



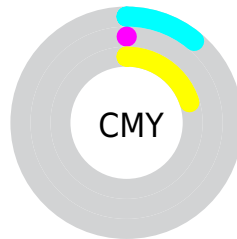
- Red (89%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (91%)



- Cyan (11%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (11%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.0231, 92.0484, 70.7816 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 78.0231, 92.0484, 70.7816 by changing the saturation by 10% instead.


 78.0231, 92.0484,
70.7816

 78.0231, 92.0484,
70.7816


477.0839,
534.6719, 482.1527

 58.3958, 69.6808,
51.6832

129.5479,
150.1805, 122.0142

 42.3714, 51.2664,
36.3722


162.1761,
186.7138, 154.9856

 29.5846, 36.4206,
24.4298


199.8686,
228.7377, 193.4184

 19.6700, 24.7592,
15.4376

242.9908,
276.6368, 237.7312

 12.2623, 15.8978,
8.9771

291.9081,
330.7954, 288.3424

 6.9960, 9.4518,
4.6296

346.9858,

 3.5059, 5.0371,

391.5978, 345.6708

1.9767

408.5893,
459.4285, 410.1347

■ 1.4266, 2.2690,
0.5409

■ 0.2751, 0.7572,
0.0000

■ 78.0231, 92.0484,
70.7816

■ 78.0231, 92.0484,
70.7816

■ 70.8541, 88.6775,
55.7664

■ 86.0786, 95.8183,
88.4548

■ 64.5361, 85.6904,
43.2764

95.0500, 100.0000,
108.9000

■ 59.0334, 83.0716,
33.1737

■ 54.3069, 80.8042,
25.3054

■ 50.3135, 78.8699,
19.5010

■ 47.0051, 77.2480,
15.5652

■ 44.3255, 75.9148,
13.2652

■ 42.1904, 74.8350,
12.2210

■ 42.1902, 74.8349,
12.2209

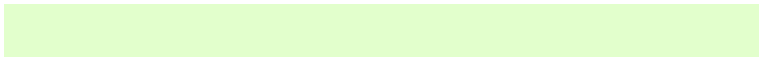
Harmonies

Analogous

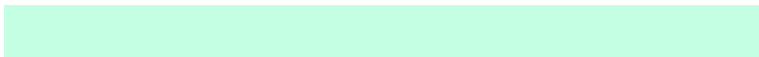
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.7521, 92.0484, 63.3895



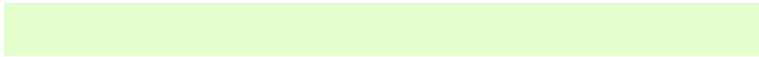
78.0231, 92.0484, 70.7816



73.9906, 92.0484, 86.4768

Triad

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



78.0231, 92.0484, 70.7816



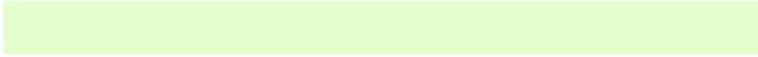
82.5469, 92.0484, 146.8602



103.2155, 92.0484, 92.5097

Complementary

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



78.0231, 92.0484, 70.7816



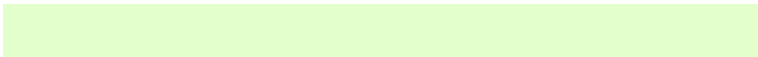
73.2481, 67.7306, 103.8205

Split Complementary

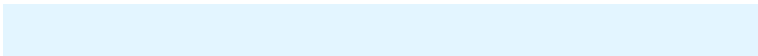
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.5372, 92.0484, 115.3583



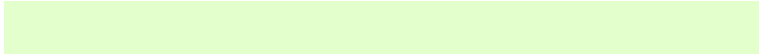
78.0231, 92.0484, 70.7816



90.2847, 92.0484, 149.1212

Square

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



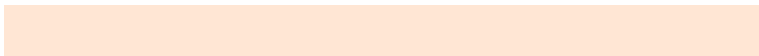
78.0231, 92.0484, 70.7816



76.4921, 92.0484, 131.0945



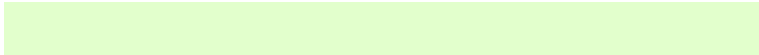
97.6916, 92.0484, 136.8751



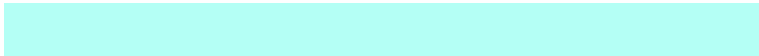
99.4929, 92.0484, 74.6271

Rectangle

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



78.0231, 92.0484, 70.7816



73.2212, 92.0484, 100.6334



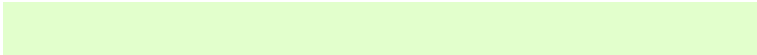
97.6916, 92.0484, 136.8751



103.4999, 92.0484, 99.8178

Sweetspot

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



78.0237, 92.0486, 70.7830



89.5550, 97.4406, 96.2925



81.2502, 83.8415, 69.0288



19.0448, 20.7986, 20.3300



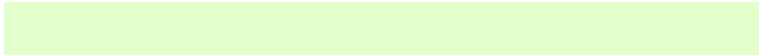
0.0000, 0.0000, 0.0000



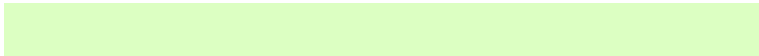
20.3446, 21.4041, 23.3091

Same Dimension

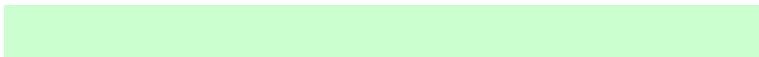
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.0237, 92.0486, 70.7830



75.0508, 90.6529, 64.4634



71.9741, 88.8824, 72.6521



18.5147, 20.5512, 19.1353



22.2086, 39.1870, 6.3933



2.2846, 3.8785, 0.6282

Inverse Universe

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



73.2481, 67.7306, 103.8205



69.4830, 62.3070, 102.9720



80.3407, 71.4497, 101.3203



17.9918, 17.8875, 22.7543



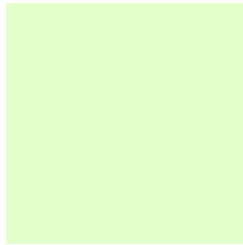
15.7076, 7.0081, 49.9594



1.6546, 0.7469, 4.8702

Previews

White Background



This preview shows how the XYZ color 78.0231, 92.0484, 70.7816 looks on a white background.

Color Contrast Check

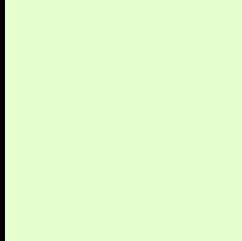
Large Text (above 18pt) WCAG AA × Fail

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 78.0231, 92.0484, 70.7816 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

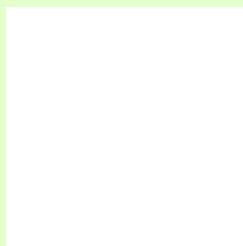
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.0231, 92.0484, 70.7816

Background



This preview shows how black text looks on a background with the XYZ color 78.0231, 92.0484, 70.7816.



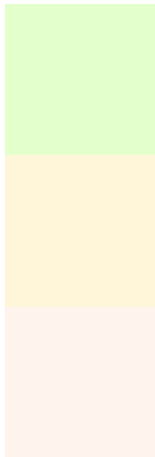
This preview shows how white text looks on a background with the XYZ color 78.0231, 92.0484,

70.7816.

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

78.0231, 92.0484, 70.7816

Protanopia

86.4168, 91.5746, 78.7666

Deuteranopia

88.5767, 91.4756, 93.1088



Tritanopia

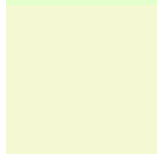
87.2814, 91.8323, 107.7329

Trichromacy



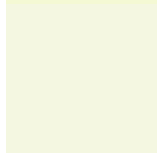
Original Color

78.0231, 92.0484, 70.7816



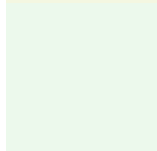
Protanomaly

83.0676, 91.7379, 75.6164



Deuteranomaly

84.1596, 91.1909, 84.4001



Tritanomaly

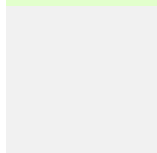
83.6081, 91.6404, 92.6386

Monochromacy



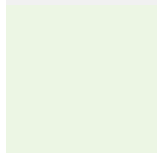
Original Color

78.0231, 92.0484, 70.7816



Achromatopsia

83.6081, 87.9622, 95.7909



Achromatomaly

81.5514, 89.3458, 86.3460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.0231, 92.0484, 70.7816 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(226, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(226, 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(226, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 255, 204) }
```

Border

The CSS property to change the border of an element to XYZ 78.0231, 92.0484, 70.7816 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(226, 255, 204) }
```


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

```
.border{ border-color:rgb(226, 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(226, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(226, 255,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 78.0231, 92.0484, 70.7816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 255, 204) }
```

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

```
.background{ background-color: rgb(226,  
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](#).

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