

Converting Colors

XYZ(71.5259, 90.0078, 81.0473)

Have a look what the booklet for
XYZ(71.5259, 90.0078, 81.0473)
contains.

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Color

**XYZ(70.4165, 87.8938,
80.9640)**

Conversions

Conversions Part 1

Format	Color
Hex	C0FFDC
RGB	192, 255, 220
RGB Percent	75%, 100%, 86%
CMY	0.2471, 0.0000, 0.1372
CMYK	0.25, 0.00, 0.14, 0.00
HSL	147°, 100%, 88%
HSV	147°, 25%, 100%
XYZ	70.4165, 87.8938, 80.9640
YIQ	232.1730, -26.3130, -24.2410

Conversions

Conversions Part 2

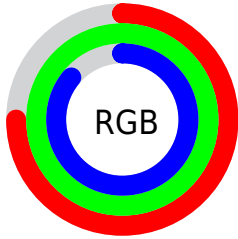
Format	Color
RYB	192, 236, 255
Decimal	12648412
CIELab	95.12, -26.52, 10.39
CIELCh	95, 28.483, 158.613
Yxy	87.8938, 0.2943, 0.3673
Android (android.graphics.Color)	4290838492 (0xFFC0FFDC)
YUV	232.1730, -6.0013, -35.2317
Hunter-Lab	93.7517, -29.9949, 14.4233

Details

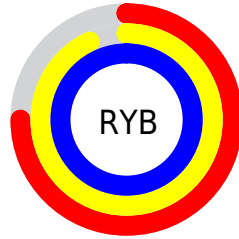
The XYZ color **70.4165, 87.8938, 80.9640** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.9552, 64.5062, 81.2261**, and the grayscale version is **76.8886, 80.8928, 88.0923**.

A 20% lighter version of the original color is **92.8769, 98.8797, 108.7983**, and **37.3021, 48.4231, 42.9779** is the 20% darker color. If you saturate the color by 10%, you get **62.7119, 84.1296, 71.2213**, and if you desaturate by 10%, it is **79.4002, 92.2989, 91.5994**.

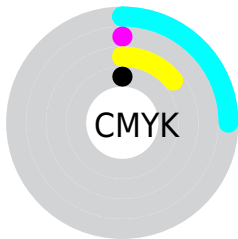
Distribution



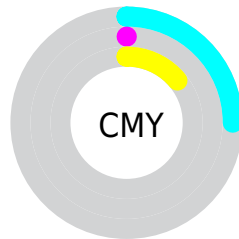
- Red (75%)
- Green (100%)
- Blue (86%)



- Red (75%)
- Yellow (93%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.4165, 87.8938, 80.9640 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 70.4165, 87.8938, 80.9640 by changing the saturation by 10% instead.


 70.4165, 87.8938,
80.9640

 70.4165, 87.8938,
80.9640


451.2547,
521.1554, 517.9679

 52.1470, 66.2351,
59.9811


 118.8256,
144.4093, 136.5438

 37.3470, 48.4633,
42.9782


149.6958,
180.0349, 171.9779

 25.6512, 34.1939,
29.5368


185.4970,
221.0849, 213.0660

 16.6942, 23.0426,
19.2382

226.5945,
267.9438, 260.2269

 10.1106, 14.6250,
11.6640

273.3537,
320.9959, 313.8790

 5.5352, 8.5566,
6.3955

326.1398,

 2.6025, 4.4531,

380.6256, 374.4408

3.0144

385.3184,
447.2173, 442.3309

■ 0.9472, 1.9301,
1.1020

■ 0.0000, 0.5664,
0.0000

■ 70.4165, 87.8938,
80.9640

■ 70.4165, 87.8938,
80.9640

■ 62.7119, 84.1296,
71.2213

■ 79.4002, 92.2989,
91.5994

■ 56.2227, 80.9740,
62.3436

■ 89.7181, 97.3731,
103.1456

■ 50.8825, 78.3934,
54.3080

■ 95.0500, 100.0000,
108.9000

■ 46.6177, 76.3502,
47.0888

■ 43.3456, 74.8023,
40.6589

■ 40.9702, 73.7008,
34.9895

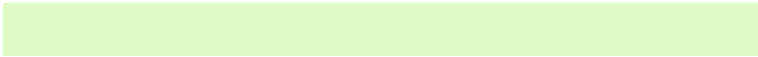
■ 39.3747, 72.9859,
30.0495

■ 38.7597, 72.7199,
27.7159

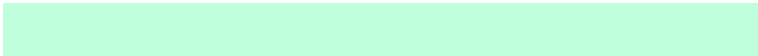
Harmonies

Analogous

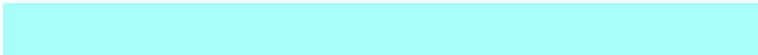
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.5801, 87.8938, 66.0724



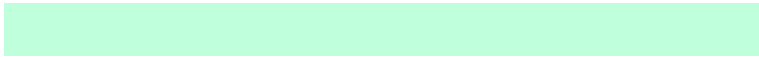
70.4165, 87.8938, 80.9640



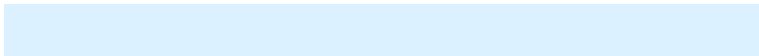
69.6534, 87.8938, 102.2373

Triad

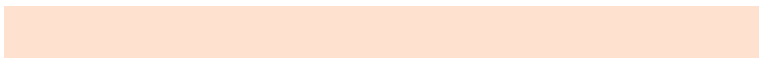
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.4165, 87.8938, 80.9640



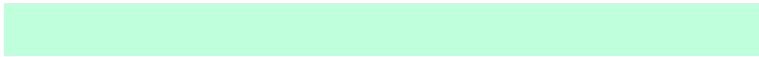
85.7924, 87.8938, 144.4138



95.7362, 87.8938, 71.4583

Complementary

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



70.4165, 87.8938, 80.9640



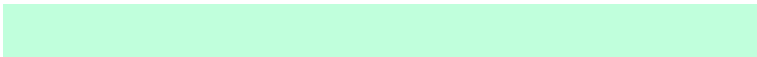
73.9552, 64.5062, 81.2261

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.



99.1604, 87.8938, 89.4502



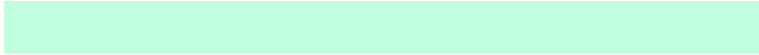
70.4165, 87.8938, 80.9640



93.1912, 87.8938, 133.0800

Square

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



70.4165, 87.8938, 80.9640



78.2222, 87.8938, 141.2040



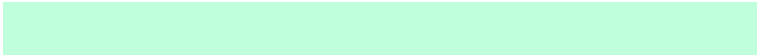
98.2014, 87.8938, 112.1267



89.0944, 87.8938, 61.2036

Rectangle

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



70.4165, 87.8938, 80.9640



71.1272, 87.8938, 117.6331



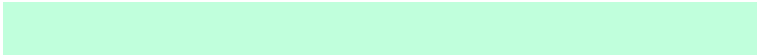
98.2014, 87.8938, 112.1267



97.3198, 87.8938, 76.6806

Sweetspot

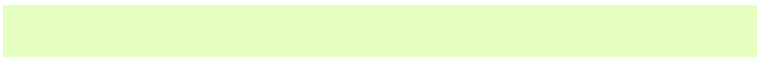
The Sweet Spot groups the original color and five complimentary colors.



70.4173, 87.8941, 80.9654



87.2294, 96.1480, 100.4141



77.1747, 91.7710, 63.5163



18.5331, 20.5120, 21.3407



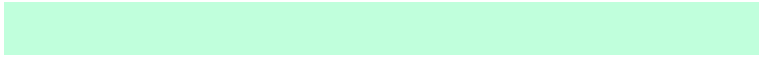
0.0000, 0.0000, 0.0000



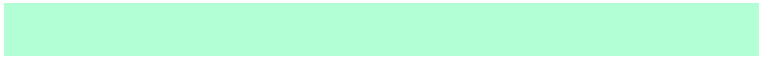
20.3446, 21.4041, 23.3091

Same Dimension

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



70.4173, 87.8941, 80.9654



66.1820, 85.8230, 75.6966



74.8798, 89.6792, 104.4649



18.1070, 20.3023, 20.8666



20.3252, 38.0267, 14.8635



2.0330, 3.7241, 1.7314

Inverse Universe

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



73.9552, 64.5062, 81.2261



70.3111, 58.5205, 75.9956



70.0769, 62.9549, 60.8031



18.4318, 18.1560, 20.8912



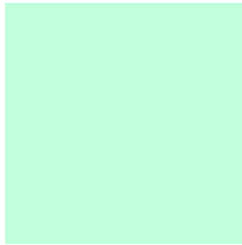
24.1632, 12.1546, 14.7757



2.4077, 1.2055, 1.7284

Previews

White Background



This preview shows how the XYZ color 70.4165, 87.8938, 80.9640 looks on a white background.

Color Contrast Check

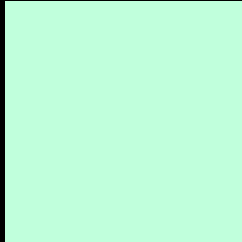
Large Text (above 18pt) WCAG AA × Fail

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 70.4165, 87.8938, 80.9640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

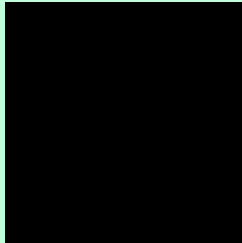
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

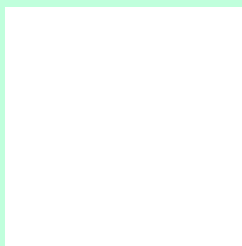
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.4165, 87.8938, 80.9640

Background



This preview shows how black text looks on a background with the XYZ color 70.4165, 87.8938, 80.9640.



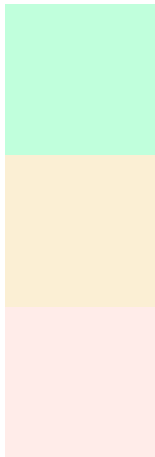
This preview shows how white text looks on a background with the XYZ color 70.4165, 87.8938,

80.9640.

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

70.4165, 87.8938, 80.9640

Protanopia

82.5338, 86.9957, 74.7292

Deuteranopia

85.9434, 87.1341, 89.3797



Tritanopia

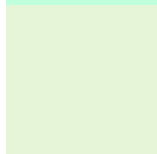
80.2195, 87.2935, 107.2291

Trichromacy



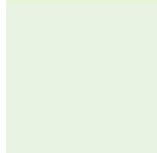
Original Color

70.4165, 87.8938, 80.9640



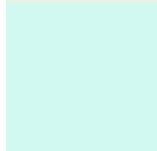
Protanomaly

77.5513, 87.0341, 77.0019



Deuteranomaly

79.3329, 86.8584, 85.9829



Tritanomaly

76.1728, 87.2472, 96.8301

Monochromacy



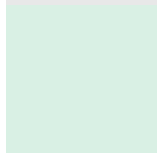
Original Color

70.4165, 87.8938, 80.9640



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

73.7790, 82.6733, 85.4678

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.4165, 87.8938, 80.9640 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(192, 255, 220)` looks like.

```
.text, #text, p{  
    color:rgb(192, 255, 220)  
}
```

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(192, 255, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 255, 220) }
```

Border

The CSS property to change the border of an element to XYZ 70.4165, 87.8938, 80.9640 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(192, 255, 220) }
```


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

```
.border{ border-color:rgb(192, 255, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 255, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(192, 255,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4165, 87.8938, 80.9640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 255, 220) }
```

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

```
.background{ background-color: rgb(192,  
255, 220) }
```

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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