

Converting Colors

XYZ(77.0104, 100.0000,
93.3830)

Have a look what the booklet for
XYZ(77.0104, 100.0000, 93.3830)
contains.

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Color

**XYZ(70.8610, 87.8996,
91.0735)**

Conversions

Conversions Part 1

Format	Color
Hex	BAFFEA
RGB	186, 255, 234
RGB Percent	73%, 100%, 92%
CMY	0.2706, 0.0000, 0.0823
CMYK	0.27, 0.00, 0.08, 0.00
HSL	162°, 100%, 86%
HSV	162°, 27%, 100%
XYZ	70.8610, 87.8996, 91.0735
YIQ	231.9750, -34.3830, -21.1590

Conversions

Conversions Part 2

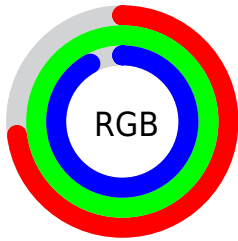
Format	Color
RYB	186, 227, 255
Decimal	12255210
CIELab	95.12, -25.58, 3.14
CIElCh	95, 25.775, 172.995
Yxy	87.8996, 0.2836, 0.3518
Android (android.graphics.Color)	4290445290 (0xFFBAFFEA)
YUV	231.9750, 0.9983, -40.3201
Hunter-Lab	93.7548, -29.1584, 8.0340

Details

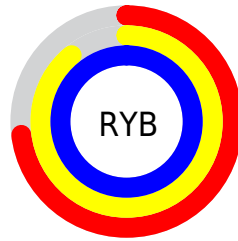
The XYZ color **70.8610, 87.8996, 91.0735** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.0620, 60.8840, 67.0910**, and the grayscale version is **76.6941, 80.6881, 87.8694**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **37.5900, 48.4278, 49.4858** is the 20% darker color. If you saturate the color by 10%, you get **64.1185, 84.5498, 85.0657**, and if you desaturate by 10%, it is **78.7595, 91.8398, 97.3932**.

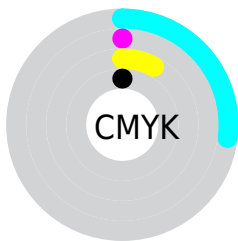
Distribution



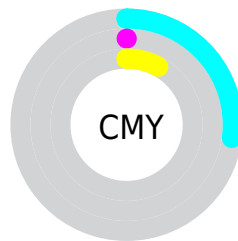
- Red (73%)
- Green (100%)
- Blue (92%)



- Red (73%)
- Yellow (89%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.8610, 87.8996, 91.0735 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 70.8610, 87.8996, 91.0735 by changing the saturation by 10% instead.


 70.8610, 87.8996,
91.0735

 70.8610, 87.8996,
91.0735


452.7868,
521.1744, 552.1767

 52.5109, 66.2399,
68.2926


 119.4554,
144.4174, 150.7772

 37.6384, 48.4672,
49.6677


150.4304,
180.0443, 188.5370

 25.8781, 34.1970,
34.7801


186.3443,
221.0957, 232.1270

 16.8647, 23.0450,
23.2113

227.5627,
267.9560, 281.9655

 10.2327, 14.6267,
14.5429

274.4508,
321.0096, 338.4712

 5.6170, 8.5578,
8.3561

327.3739,

 2.6520, 4.4539,

380.6410, 402.0626

4.2326

386.6974,
447.2344, 473.1583

■ 0.9726, 1.9306,
1.7538

■ 0.0000, 0.5667,
0.3972

■ 70.8610, 87.8996,
91.0735

■ 70.8610, 87.8996,
91.0735

■ 64.1185, 84.5498,
85.0657

■ 78.7595, 91.8398,
97.3932

■ 58.4700, 81.7583,
79.3594

■ 87.8665, 96.3972,
104.0262

■ 53.8516, 79.4923,
73.9498

95.0500, 100.0000,
108.9000

■ 50.1911, 77.7148,
68.8301

■ 47.4072, 76.3839,
63.9932

■ 45.4040, 75.4501,
59.4309

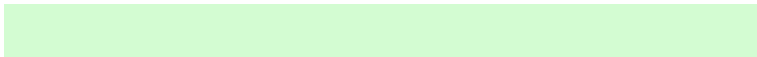
■ 44.0594, 74.8506,
55.1341

■ 43.7353, 74.7101,
53.9174

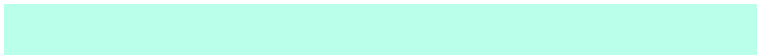
Harmonies

Analogous

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



73.2310, 87.8996, 74.2896



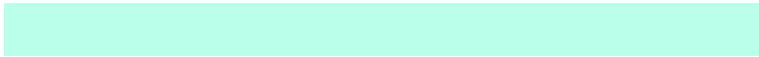
70.8610, 87.8996, 91.0735



71.7347, 87.8996, 111.6048

Triad

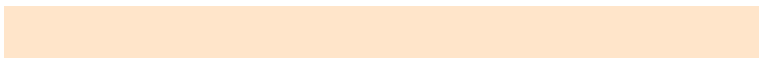
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.8610, 87.8996, 91.0735



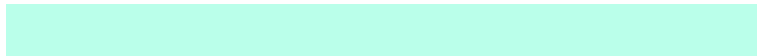
88.9265, 87.8996, 135.8524



91.9299, 87.8996, 68.0553

Complementary

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



70.8610, 87.8996, 91.0735



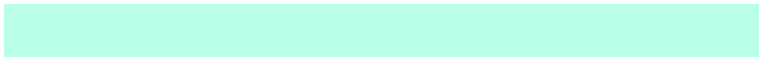
70.0620, 60.8840, 67.0910

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.



96.5874, 87.8996, 81.3968



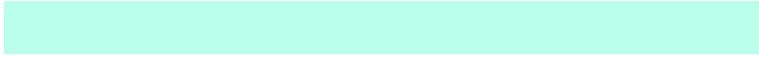
70.8610, 87.8996, 91.0735



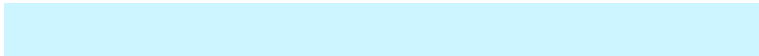
94.7867, 87.8996, 120.8912

Square

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



70.8610, 87.8996, 91.0735



81.9117, 87.8996, 139.3953



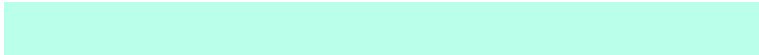
97.6610, 87.8996, 100.4965



85.2017, 87.8996, 62.2594

Rectangle

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



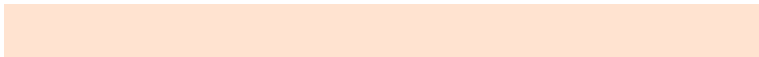
70.8610, 87.8996, 91.0735



74.0639, 87.8996, 124.5403



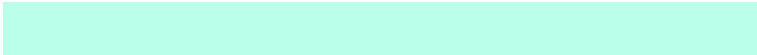
97.6610, 87.8996, 100.4965



93.8046, 87.8996, 71.7086

Sweetspot

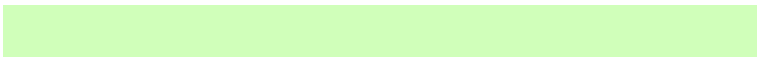
The Sweet Spot groups the original color and five complimentary colors.



70.8619, 87.9001, 91.0750



86.9554, 95.9407, 103.3876



70.5940, 88.4537, 59.8084



18.3056, 20.3818, 21.9122



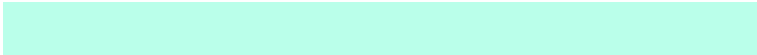
0.0000, 0.0000, 0.0000



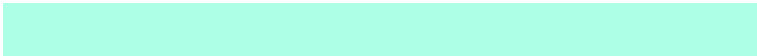
20.3446, 21.4041, 23.3091

Same Dimension

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



70.8619, 87.9001, 91.0750



67.3885, 86.1724, 88.0668



70.1569, 81.3725, 106.6166



18.3056, 20.3818, 21.9122



22.9222, 39.0655, 28.5395



2.2805, 3.8231, 3.0351

Inverse Universe

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



70.0620, 60.8840, 67.0910



66.4804, 55.3888, 60.7546



70.4467, 65.4922, 55.3842



18.2369, 18.0781, 19.8648



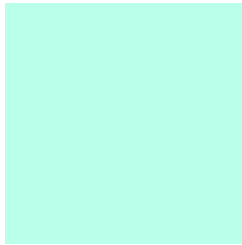
22.3177, 11.4164, 5.0575



2.2191, 1.1300, 0.7354

Previews

White Background



This preview shows how the XYZ color 70.8610, 87.8996, 91.0735 looks on a white background.

Color Contrast Check

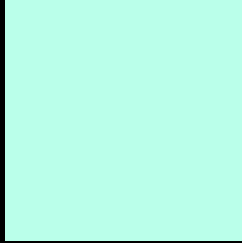
Large Text (above 18pt) WCAG AA × Fail

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 70.8610, 87.8996, 91.0735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

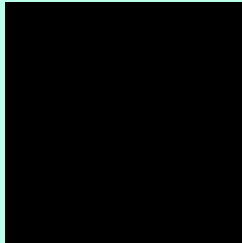
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

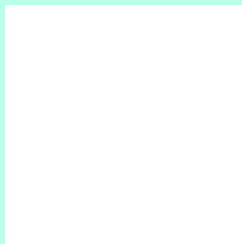
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.8610, 87.8996, 91.0735

Background



This preview shows how black text looks on a background with the XYZ color 70.8610, 87.8996, 91.0735.



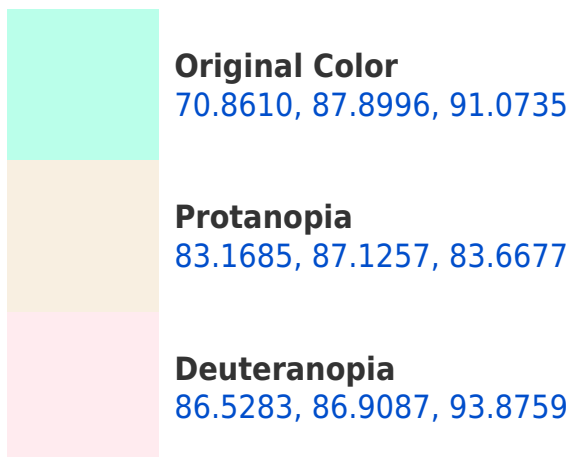
This preview shows how white text looks on a background with the XYZ color 70.8610, 87.8996,

91.0735.

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





Tritanopia

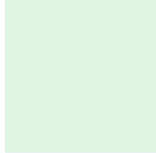
79.9158, 87.5849, 107.3013

Trichromacy



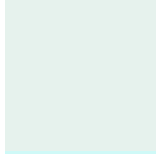
Original Color

70.8610, 87.8996, 91.0735



Protanomaly

77.7073, 86.9138, 86.0792



Deuteranomaly

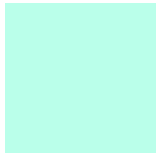
79.6713, 86.4417, 92.6065



Tritanomaly

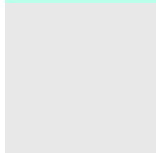
76.3963, 87.7322, 100.9032

Monochromacy



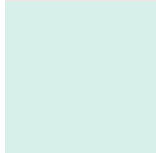
Original Color

70.8610, 87.8996, 91.0735



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

73.8924, 82.6504, 89.1494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.8610, 87.8996, 91.0735 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(186, 255, 234)` looks like.

```
.text, #text, p{  
    color:rgb(186, 255, 234)  
}
```

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(186, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 255, 234) }
```

Border

The CSS property to change the border of an element to XYZ 70.8610, 87.8996, 91.0735 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(186, 255, 234) }
```


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

```
.border{ border-color:rgb(186, 255, 234) }
```

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

Here you see how a box with a 4 pixel rgb(186, 255, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(186, 255,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 70.8610, 87.8996, 91.0735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 255, 234) }
```

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

```
.background{ background-color: rgb(186,  
255, 234) }
```

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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