

Converting Colors

XYZ(70.1404, 87.7614, 80.4988)

Have a look what the booklet for
XYZ(70.1404, 87.7614, 80.4988)
contains.

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Color

**XYZ(70.0320, 87.7108,
80.2566)**

Conversions

Conversions Part 1

Format	Color
Hex	BFFFDB
RGB	191, 255, 219
RGB Percent	75%, 100%, 86%
CMY	0.2510, 0.0000, 0.1412
CMYK	0.25, 0.00, 0.14, 0.00
HSL	146°, 100%, 87%
HSV	146°, 25%, 100%
XYZ	70.0320, 87.7108, 80.2566
YIQ	231.7600, -26.5880, -24.7640

Conversions

Conversions Part 2

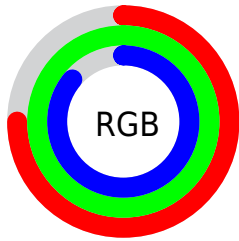
Format	Color
RYB	191, 236, 255
Decimal	12582875
CIELab	95.04, -27.01, 10.78
CIELCh	95, 29.087, 158.240
Yxy	87.7108, 0.2943, 0.3685
Android (android.graphics.Color)	4290772955 (0xFFBFFFDB)
YUV	231.7600, -6.2907, -35.7465
Hunter-Lab	93.6540, -30.4170, 14.7494

Details

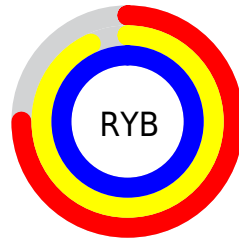
The XYZ color **70.0320, 87.7108, 80.2566** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.7363, 64.0685, 81.1531**, and the grayscale version is **76.5817, 80.5700, 87.7407**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **37.0483, 48.3027, 42.4927** is the 20% darker color. If you saturate the color by 10%, you get **62.3599, 83.9646, 70.4618**, and if you desaturate by 10%, it is **78.9848, 92.0984, 90.9635**.

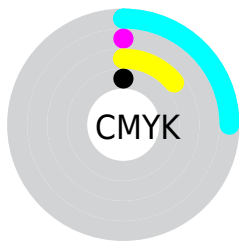
Distribution



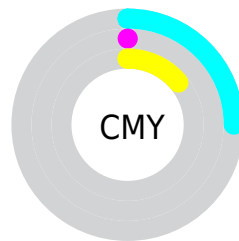
- Red (75%)
- Green (100%)
- Blue (86%)



- 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 70.0320, 87.7108, 80.2566 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 70.0320, 87.7108, 80.2566 by changing the saturation by 10% instead.


 70.0320, 87.7108,
80.2566

 70.0320, 87.7108,
80.2566

449.9270,
520.5557, 515.5267

 51.8323, 66.0836,
59.4021


 118.2804,
144.1545, 135.5411

 37.0952, 48.3403,
42.5148


149.0598,
179.7397, 170.8082

 25.4552, 34.0964,
29.1760


184.7632,
220.7464, 211.7166

 16.5470, 22.9677,
18.9673

225.7559,
267.5590, 258.6848

 10.0054, 14.5696,
11.4701

272.4033,
320.5618, 312.1314

 5.4648, 8.5179,
6.2658

325.0707,

 2.5600, 4.4281,

380.1392, 372.4749

2.9360

384.1235,
446.6758, 440.1338

■ 0.9256, 1.9158,
1.0620

■ 0.0000, 0.5579,
0.0000

■ 70.0320, 87.7108,
80.2566

■ 70.0320, 87.7108,
80.2566

■ 62.3599, 83.9646,
70.4618

■ 78.9848, 92.0984,
90.9635

■ 55.9043, 80.8271,
61.5507

■ 89.2736, 97.1556,
102.6017

■ 50.5986, 78.2646,
53.4994

95.0500, 100.0000,
108.9000

■ 46.3686, 76.2394,
46.2813

■ 43.1310, 74.7089,
39.8682

■ 40.7890, 73.6239,
34.2302

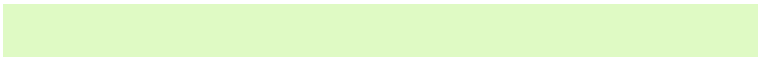
■ 39.2244, 72.9241,
29.3349

■ 38.6605, 72.6802,
27.1939

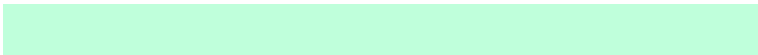
Harmonies

Analogous

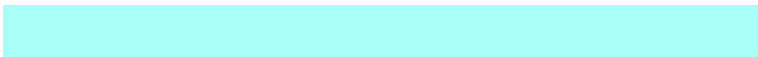
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.3083, 87.7108, 65.2304



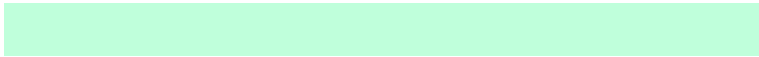
70.0320, 87.7108, 80.2566



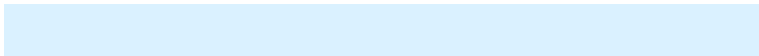
69.2107, 87.7108, 101.8775

Triad

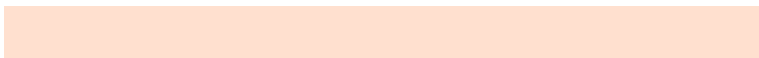
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.0320, 87.7108, 80.2566



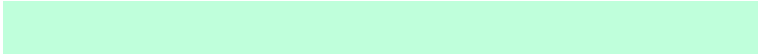
85.5638, 87.7108, 145.3848



95.8833, 87.7108, 71.0136

Complementary

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



70.0320, 87.7108, 80.2566



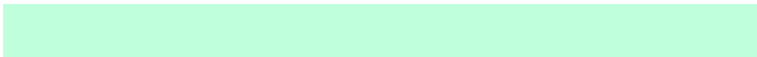
73.7363, 64.0685, 81.1531

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.



99.3318, 87.7108, 89.3985



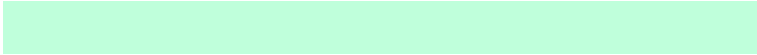
70.0320, 87.7108, 80.2566



93.1325, 87.7108, 133.9337

Square

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



70.0320, 87.7108, 80.2566



77.8578, 87.7108, 141.9030



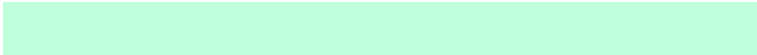
98.2945, 87.7108, 112.5656



89.1291, 87.7108, 60.5106

Rectangle

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



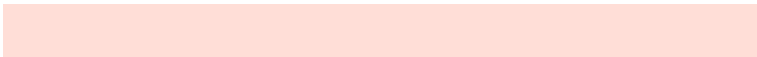
70.0320, 87.7108, 80.2566



70.6804, 87.7108, 117.6149



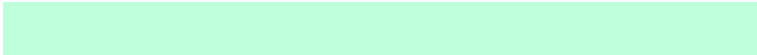
98.2945, 87.7108, 112.5656



97.4864, 87.7108, 76.3507

Sweetspot

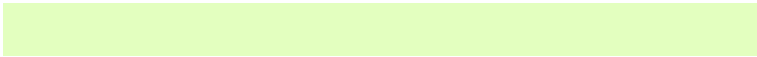
The Sweet Spot groups the original color and five complimentary colors.



70.0328, 87.7112, 80.2580



86.1461, 95.6170, 99.1261



76.9272, 91.6561, 62.9282



18.1016, 20.3002, 20.8382



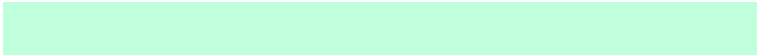
0.0000, 0.0000, 0.0000



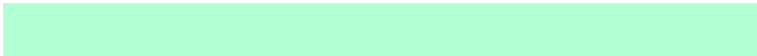
20.3446, 21.4041, 23.3091

Same Dimension

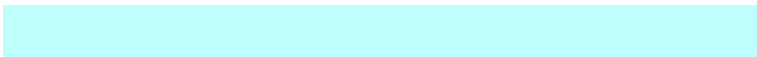
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.0328, 87.7112, 80.2580



66.1149, 85.7962, 75.3431



74.6169, 89.5448, 104.3978



18.1016, 20.3002, 20.8382



20.2729, 38.0057, 14.5882



2.0276, 3.7220, 1.7034

Inverse Universe

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



73.7363, 64.0685, 81.1531



70.3820, 58.5489, 76.3691



69.7519, 62.4747, 60.1715



18.4373, 18.1582, 20.9201



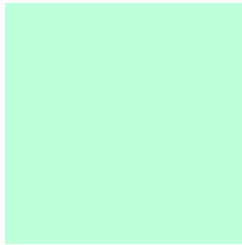
24.2330, 12.1825, 15.1434



2.4144, 1.2081, 1.7637

Previews

White Background



This preview shows how the XYZ color 70.0320, 87.7108, 80.2566 looks on a white background.

Color Contrast Check

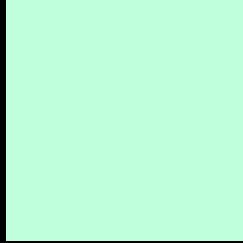
Large Text (above 18pt) WCAG AA × Fail

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 70.0320, 87.7108, 80.2566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

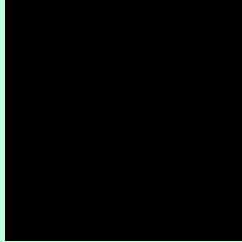
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

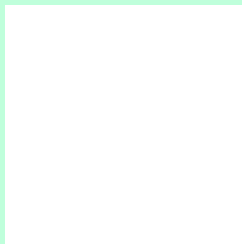
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.0320, 87.7108, 80.2566

Background



This preview shows how black text looks on a background with the XYZ color 70.0320, 87.7108, 80.2566.

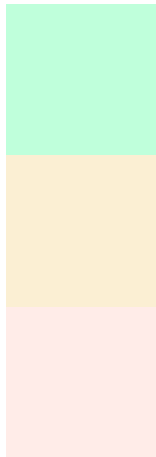


This preview shows how white text looks on a background with the XYZ color 70.0320, 87.7108,

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

70.0320, 87.7108, 80.2566

Protanopia

82.4080, 86.9454, 74.0668

Deuteranopia

85.8009, 87.0771, 88.6293



Tritanopia

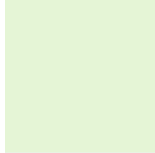
79.9159, 87.1370, 107.2148

Trichromacy



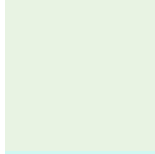
Original Color

70.0320, 87.7108, 80.2566



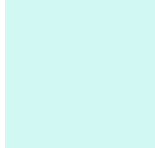
Protanomaly

77.1031, 86.8179, 76.3121



Deuteranomaly

79.1944, 86.8030, 85.2537



Tritanomaly

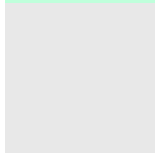
75.8889, 87.1009, 96.8168

Monochromacy



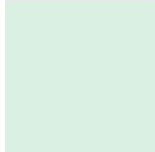
Original Color

70.0320, 87.7108, 80.2566



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

73.6405, 82.6179, 84.7386

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0320, 87.7108, 80.2566 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(191, 255, 219)` looks like.

```
.text, #text, p{  
    color:rgb(191, 255, 219)  
}
```

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(191, 255, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 219) }
```

Border

The CSS property to change the border of an element to XYZ 70.0320, 87.7108, 80.2566 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(191, 255, 219) }
```


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

```
.border{ border-color:rgb(191, 255, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 255, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 255, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 255, 219);  
box-shadow:4px 4px 4px 4px rgb(191, 255,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0320, 87.7108, 80.2566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 255, 219) }
```

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

```
.background{ background-color: rgb(191,  
255, 219) }
```

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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