

# Converting Colors

XYZ(81.4953, 110.9471,  
83.0657)

Have a look what the booklet for  
XYZ(81.4953, 110.9471, 83.0657)  
contains.

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# Color

**XYZ(69.7702, 87.6061,  
78.8780)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFFFD9
RGB	191, 255, 217
RGB Percent	75%, 100%, 85%
CMY	0.2510, 0.0000, 0.1490
CMYK	0.25, 0.00, 0.15, 0.00
HSL	144°, 100%, 87%
HSV	144°, 25%, 100%
XYZ	69.7702, 87.6061, 78.8780
YIQ	231.5320, -25.9460, -25.3860

# Conversions

## Conversions Part 2

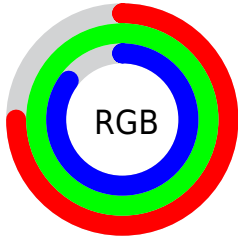
<b>Format</b>	<b>Color</b>
<b>RYB</b>	191, 237, 255
Decimal	12582873
CIELab	94.99, -27.39, 11.75
CIELCh	95, 29.800, 156.784
Yxy	87.6061, 0.2953, 0.3708
Android (android.graphics.Color)	4290772953 (0xFFBFFFD9)
YUV	231.5320, -7.1643, -35.5466
Hunter-Lab	93.5981, -30.7387, 15.5532

# Details

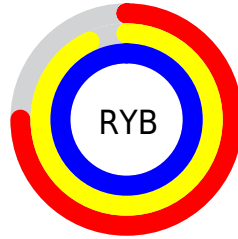
The XYZ color **69.7702, 87.6061, 78.8780** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.0140, 64.1795, 82.6155**, and the grayscale version is **76.4174, 80.3970, 87.5523**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **36.8690, 48.2310, 41.5487** is the 20% darker color. If you saturate the color by 10%, you get **62.0259, 83.8310, 68.7032**, and if you desaturate by 10%, it is **78.8131, 92.0298, 90.0595**.

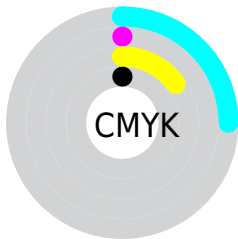
# Distribution



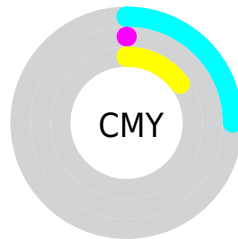
- Red (75%)
- Green (100%)
- Blue (85%)



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



- Cyan (25%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.7702, 87.6061, 78.8780 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 69.7702, 87.6061, 78.8780 by changing the saturation by 10% instead.





 69.7702, 87.6061,  
78.8780

 69.7702, 87.6061,  
78.8780


449.0217,  
520.2124, 510.7502

 51.6181, 65.9969,  
58.2748


 117.9090,  
144.0086, 133.5842

 36.9238, 48.2699,  
41.6134


148.6265,  
179.5708, 168.5243

 25.3219, 34.0407,  
28.4754


184.2632,  
220.5527, 209.0804

 16.4471, 22.9248,  
18.4422

225.1844,  
267.3387, 255.6710

 9.9339, 14.5380,  
11.0952

271.7555,  
320.3133, 308.7148

 5.4171, 8.4958,  
6.0159

324.3419,

 2.5313, 4.4138,

379.8609, 368.6302

2.7858

383.3088,  
446.3658, 435.8359

■ 0.9110, 1.9076,  
0.9863

■ 0.0000, 0.5530,  
0.0000

■ 69.7702, 87.6061,  
78.8780

■ 69.7702, 87.6061,  
78.8780

■ 62.0259, 83.8310,  
68.7032

■ 78.8131, 92.0298,  
90.0595

■ 55.5154, 80.6715,  
59.5027

■ 89.2107, 97.1304,  
102.2706

■ 50.1711, 78.0936,  
51.2485

95.0500, 100.0000,  
108.9000

■ 45.9182, 76.0592,  
43.9094

■ 42.6722, 74.5254,  
37.4526

■ 40.3357, 73.4426,  
31.8429

■ 38.7891, 72.7500,  
27.0425

■ 38.2383, 72.5113,  
24.9705

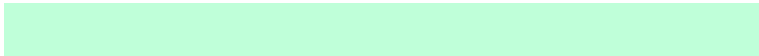
# Harmonies

## Analogous

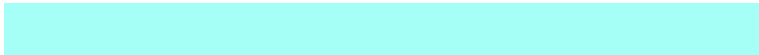
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.2931, 87.6061, 63.9646



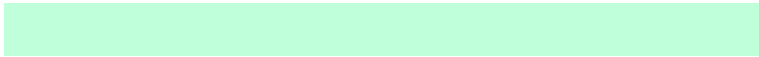
69.7702, 87.6061, 78.8780



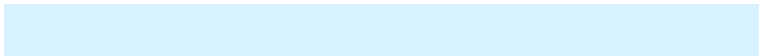
68.7522, 87.6061, 100.7493

# Triad

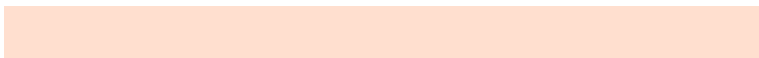
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.7702, 87.6061, 78.8780



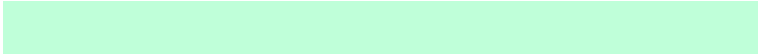
85.1185, 87.6061, 146.8331



96.3608, 87.6061, 71.1155

# Complementary

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



69.7702, 87.6061, 78.8780



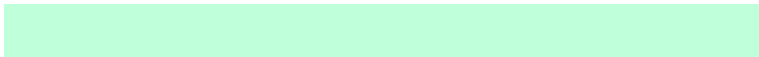
74.0140, 64.1795, 82.6155

# 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.



99.6931, 87.6061, 90.2207



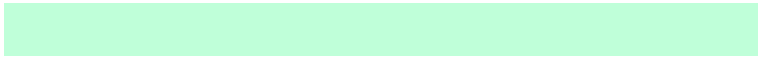
69.7702, 87.6061, 78.8780



92.9359, 87.6061, 135.7139

# Square

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



69.7702, 87.6061, 78.8780



77.2827, 87.6061, 142.4820



98.4009, 87.6061, 114.0550

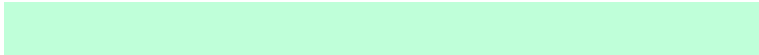


89.5525, 87.6061, 60.0161



# Rectangle

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



69.7702, 87.6061, 78.8780



70.1347, 87.6061, 116.9108



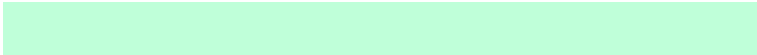
98.4009, 87.6061, 114.0550



97.9440, 87.6061, 76.6837

# Sweetspot

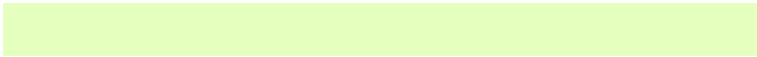
The Sweet Spot groups the original color and five complimentary colors.



69.7709, 87.6065, 78.8794



86.0497, 95.5784, 98.6184



77.6053, 92.0057, 62.9599



18.0774, 20.2905, 20.7107



0.0000, 0.0000, 0.0000

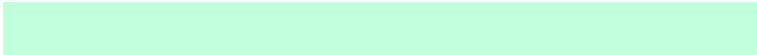


20.3446, 21.4041, 23.3091

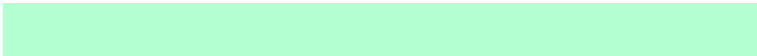


# Same Dimension

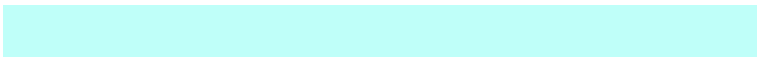
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.7709, 87.6065, 78.8794



65.8155, 85.6764, 73.7666



74.2829, 89.4112, 102.6389



18.0774, 20.2905, 20.7107



20.0497, 37.9165, 13.4130



2.0047, 3.7128, 1.5824



# Inverse Universe

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



74.0140, 64.1795, 82.6155



70.7039, 58.6777, 78.0641



69.9953, 62.5720, 61.4534



18.4620, 18.1681, 21.0503



24.5606, 12.3135, 16.8685

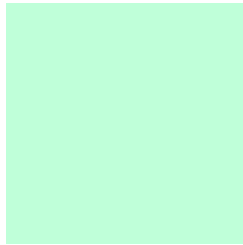


2.4456, 1.2206, 1.9278



# Previews

## White Background



This preview shows how the XYZ color 69.7702, 87.6061, 78.8780 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

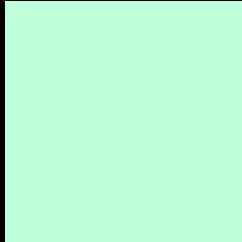
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.7702, 87.6061, 78.8780 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

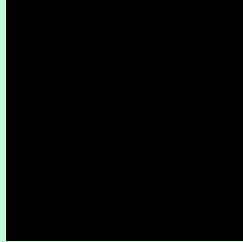
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 69.7702, 87.6061, 78.8780

## Background



This preview shows how black text looks on a background with the XYZ color 69.7702, 87.6061, 78.8780.



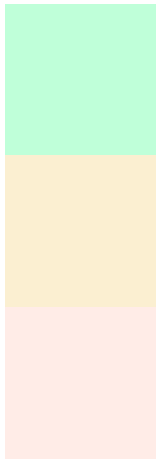
This preview shows how white text looks on a background with the XYZ color 69.7702, 87.6061,

78.8780.

# 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

69.7702, 87.6061, 78.8780

### Protanopia

82.1588, 86.8457, 72.7543

### Deuteranopia

85.6593, 87.0204, 87.8832



## **Tritanopia**

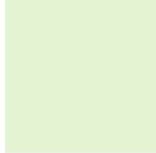
79.9159, 87.1370, 107.2148

# Trichromacy



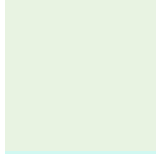
## Original Color

69.7702, 87.6061, 78.8780



## Protanomaly

76.8492, 86.7163, 74.9749



## Deuteranomaly

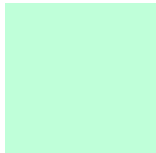
79.0568, 86.7480, 84.5288



## Tritanomaly

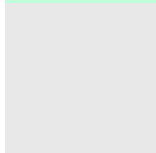
75.7391, 87.0410, 96.0278

# Monochromacy



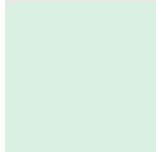
## Original Color

69.7702, 87.6061, 78.8780



## 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 69.7702, 87.6061, 78.8780 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(191, 255, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 69.7702, 87.6061, 78.8780 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, 217) }
```



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

```
.border{ border-color:rgb(191, 255, 217) }
```

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, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(191, 255,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.7702, 87.6061, 78.8780 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, 217) }
```

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

```
.background{ background-color: rgb(191,  
255, 217) }
```

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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