

# Converting Colors

XYZ(102.6971, 154.3068,  
72.6306)

Have a look what the booklet for  
XYZ(102.6971, 154.3068, 72.6306)  
contains.

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# Color

**XYZ(69.3024, 87.7507,  
61.4291)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAFFBD
RGB	202, 255, 189
RGB Percent	79%, 100%, 74%
CMY	0.2078, 0.0000, 0.2588
CMYK	0.21, 0.00, 0.26, 0.00
HSL	108°, 100%, 87%
HSV	108°, 26%, 100%
XYZ	69.3024, 87.7507, 61.4291
YIQ	231.6290, -10.4020, -31.7620

# Conversions

## Conversions Part 2

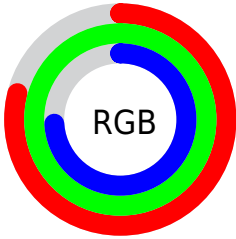
<b>Format</b>	<b>Color</b>
<b>RYB</b>	189, 255, 242
Decimal	13303741
CIELab	95.06, -28.66, 26.22
CIELCh	95, 38.842, 137.551
Yxy	87.7507, 0.3172, 0.4016
Android (android.graphics.Color)	4291493821 (0xFFCAFFBD)
YUV	231.6290, -21.0161, -25.9846
Hunter-Lab	93.6753, -31.8749, 26.6924

# Details

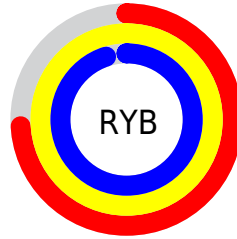
The XYZ color **69.3024, 87.7507, 61.4291** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.8666, 62.4937, 102.8298**, and the grayscale version is **76.5815, 80.5697, 87.7404**.

A 20% lighter version of the original color is **93.6346, 99.4338, 101.4464**, and **36.5999, 48.3405, 30.3233** is the 20% darker color. If you saturate the color by 10%, you get **61.5949, 84.0695, 47.8674**, and if you desaturate by 10%, it is **78.2329, 92.0060, 77.5909**.

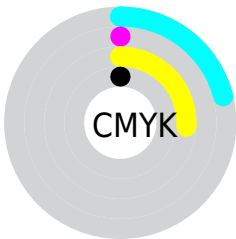
# Distribution



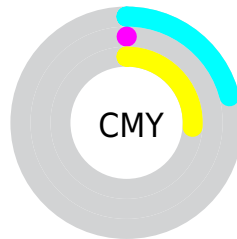
- Red (79%)
- Green (100%)
- Blue (74%)



- Red (74%)
- Yellow (100%)
- Blue (95%)



- Cyan (21%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)




- Cyan (21%)
- Magenta (0%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.3024, 87.7507, 61.4291 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 69.3024, 87.7507, 61.4291 by changing the saturation by 10% instead.





 69.3024, 87.7507,  
61.4291

 69.3024, 87.7507,  
61.4291


447.4015,  
520.6865, 447.7956

 51.2356, 66.1166,  
44.1388


 117.2451,  
144.2100, 108.4636

 36.6179, 48.3671,  
30.4416


147.8517,  
179.8041, 139.0448

 25.0841, 34.1177,  
19.9191


183.3688,  
220.8202, 174.8933

 16.2688, 22.9840,  
12.1528

224.1620,  
267.6429, 216.4278

 9.8066, 14.5817,  
6.7240

270.5965,  
320.6564, 264.0667

 5.3322, 8.5263,  
3.2143

323.0377,

 2.4802, 4.4336,

380.2453, 318.2287

1.2051

381.8509,  
446.7939, 379.3321

■ 0.8853, 1.9189,  
0.0000

■ 0.0000, 0.5597,  
0.0000

■ 69.3024, 87.7507,  
61.4291

■ 69.3024, 87.7507,  
61.4291

■ 61.5949, 84.0695,  
47.8674

■ 78.2329, 92.0060,  
77.5909

■ 55.0547, 80.9368,  
36.7663

■ 88.4356, 96.8583,  
96.4744

■ 49.6238, 78.3260,  
27.9793

95.0500, 100.0000,  
108.9000

■ 45.2386, 76.2077,  
21.3426

■ 41.8287, 74.5496,  
16.6711

■ 39.3141, 73.3154,  
13.7485

■ 37.6009, 72.4624,  
12.3066

■ 37.0864, 72.2038,  
11.9821

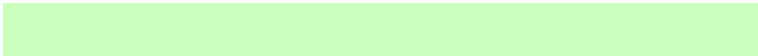
# Harmonies

## Analogous

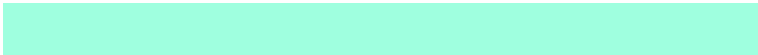
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.4305, 87.7507, 50.1379



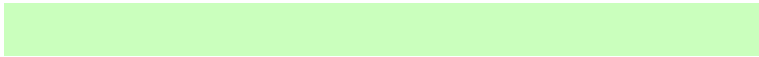
69.3024, 87.7507, 61.4291



65.1083, 87.7507, 83.5514

# Triad

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



69.3024, 87.7507, 61.4291



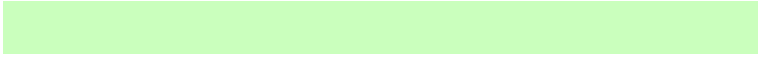
79.1039, 87.7507, 164.3140



104.2983, 87.7507, 79.0620

# Complementary

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



69.3024, 87.7507, 61.4291



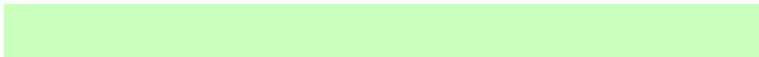
72.8666, 62.4937, 102.8298

# Split Complementary

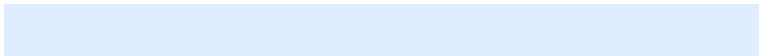
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



104.8422, 87.7507, 108.6360



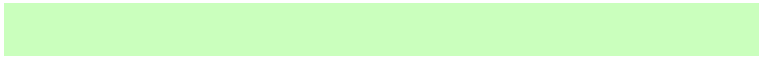
69.3024, 87.7507, 61.4291



89.6779, 87.7507, 162.3984

# Square

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



69.3024, 87.7507, 61.4291



70.4382, 87.7507, 145.1928



99.3003, 87.7507, 140.4082

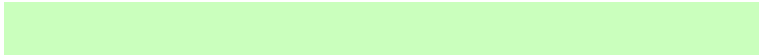


97.8715, 87.7507, 58.7426



# Rectangle

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



69.3024, 87.7507, 61.4291



64.8532, 87.7507, 103.3922



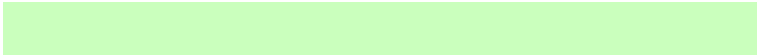
99.3003, 87.7507, 140.4082



105.1935, 87.7507, 88.1064

# Sweetspot

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



69.3029, 87.7509, 61.4304



86.1654, 95.7793, 92.2405



82.1183, 88.3198, 60.8648



18.1055, 20.3403, 19.1161



0.0000, 0.0000, 0.0000

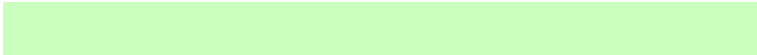


20.3446, 21.4041, 23.3091

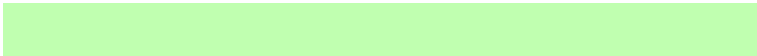


# Same Dimension

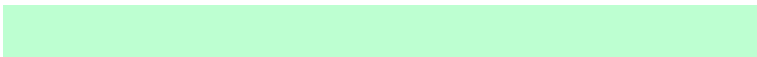
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.3029, 87.7509, 61.4304



65.2082, 85.7964, 54.1719



68.2309, 86.9328, 73.3765



18.1055, 20.3403, 19.1161



19.4725, 37.7765, 6.2653



1.9788, 3.7209, 0.6139



# Inverse Universe

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



72.8666, 62.4937, 102.8298



69.3078, 56.6769, 101.8946



74.4625, 63.6660, 87.1135



18.4215, 18.1090, 22.7744



22.6786, 10.6017, 50.2856

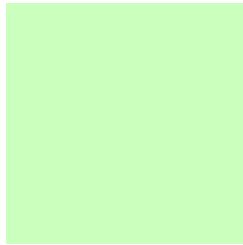


2.2934, 1.0762, 4.9001



# Previews

## White Background



This preview shows how the XYZ color 69.3024, 87.7507, 61.4291 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

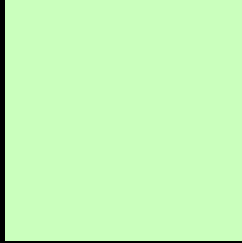
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.3024, 87.7507, 61.4291 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

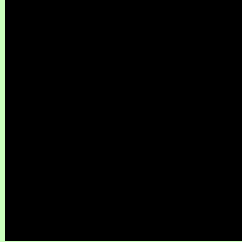
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

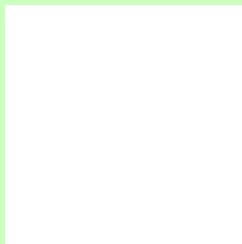
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 69.3024, 87.7507, 61.4291

## Background



This preview shows how black text looks on a background with the XYZ color 69.3024, 87.7507, 61.4291.



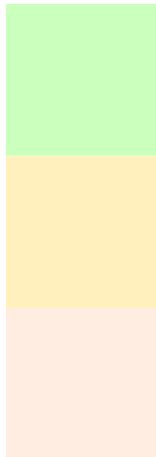
This preview shows how white text looks on a background with the XYZ color 69.3024, 87.7507,

61.4291.

# 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

69.3024, 87.7507, 61.4291

### Protanopia

81.6944, 87.2979, 61.2596

### Deuteranopia

85.1148, 87.2646, 83.5919



## Tritanopia

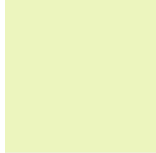
81.1519, 87.3287, 107.1867

# Trichromacy



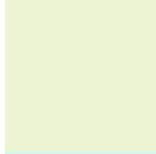
## Original Color

69.3024, 87.7507, 61.4291



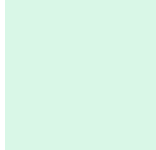
## Protanomaly

76.5387, 86.8554, 61.4459



## Deuteranomaly

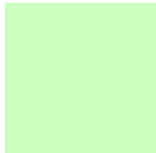
78.8264, 87.2877, 74.9810



## Tritanomaly

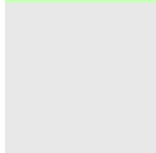
76.2998, 87.0428, 88.3808

# Monochromacy



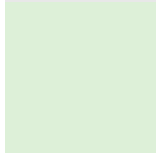
## Original Color

69.3024, 87.7507, 61.4291



## Achromatopsia

76.7008, 80.6952, 87.8771



## Achromatomaly

73.3736, 82.6502, 77.0516

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.3024, 87.7507, 61.4291 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(202, 255, 189)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 189)  
}
```

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(202, 255, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 189) }
```

## Border

The CSS property to change the border of an element to XYZ 69.3024, 87.7507, 61.4291 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(202, 255, 189) }
```



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

```
.border{ border-color:rgb(202, 255, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 255, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 189);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
189) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.3024, 87.7507, 61.4291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 255, 189) }
```

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

```
.background{ background-color: rgb(202,  
255, 189) }
```

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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