

# Converting Colors

XYZ(72.4503, 87.2556, 50.1910)

Have a look what the booklet for  
XYZ(72.4503, 87.2556, 50.1910)  
contains.

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# **Color**

**XYZ(72.3048, 87.2059,  
50.0673)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1FAA8
RGB	225, 250, 168
RGB Percent	88%, 98%, 66%
CMY	0.1176, 0.0196, 0.3412
CMYK	0.10, 0.00, 0.33, 0.02
HSL	78°, 89%, 82%
HSV	78°, 33%, 98%
XYZ	72.3048, 87.2059, 50.0673
YIQ	233.1770, 11.4220, -30.8020

# Conversions

## Conversions Part 2

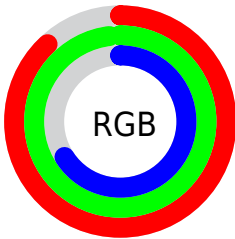
Format	Color
<a href="#">RYB</a>	<a href="#">168, 250, 193</a>
Decimal	<a href="#">14809768</a>
CIELab	<a href="#">94.83, -21.26, 36.71</a>
CIELCh	<a href="#">95, 42.421, 120.078</a>
Yxy	<a href="#">87.2059, 0.3450, 0.4161</a>
Android (android.graphics.Color)	<a href="#">4292999848 (0xFFE1FAA8)</a>
YUV	<a href="#">233.1770, -32.1323, -7.1712</a>
Hunter-Lab	<a href="#">93.3841, -25.2144, 33.5809</a>

# Details

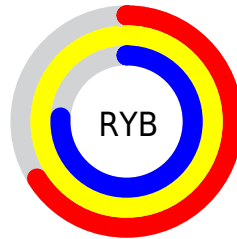
The XYZ color **72.3048, 87.2059, 50.0673** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **53.2537, 46.2472, 96.5672**, and the grayscale version is **77.8158, 81.8683, 89.1545**.

A 20% lighter version of the original color is **90.4545, 98.1618, 84.7007**, and **38.5267, 47.8127, 23.4179** is the 20% darker color. If you saturate the color by 10%, you get **67.8729, 85.1677, 38.8491**, and if you desaturate by 10%, it is **77.2950, 89.4857, 63.6524**.

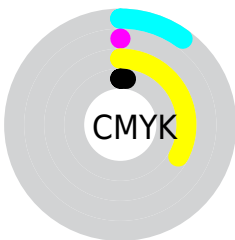
# Distribution



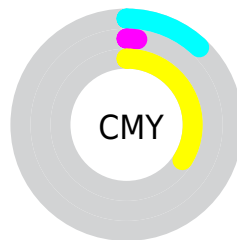
- Red (88%)
- Green (98%)
- Blue (66%)



- Red (66%)
- Yellow (98%)
- Blue (76%)



- Cyan (10%)
- Magenta (0%)
- Yellow (33%)
- Black (2%)




- Cyan (12%)
- Magenta (2%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.3048, 87.2059, 50.0673 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 72.3048, 87.2059, 50.0673 by changing the saturation by 10% instead.





 72.3048, 87.2059,  
50.0673

 72.3048, 87.2059,  
50.0673

457.7430,  
518.8992, 403.6717

 53.6941, 65.6656,  
35.0953


 121.4982,  
143.4511, 91.6719

 38.5868, 48.0010,  
23.4522


152.8116,  
178.9248, 119.1416

 26.6177, 33.8277,  
14.7193


189.0900,  
219.8117, 151.6143

 17.4214, 22.7613,  
8.4782

230.6986,  
266.4964, 189.5086

 10.6326, 14.4173,  
4.3103

278.0028,  
319.3630, 233.2429

 5.8858, 8.4115,  
1.7971

331.3681,

 2.8158, 4.3594,

378.7961, 283.2358

0.4260

391.1597,  
445.1800, 339.9059

■ 1.0571, 1.8765,  
0.0000

■ 0.0000, 0.5342,  
0.0000

■ 72.3048, 87.2059,  
50.0673

■ 72.3048, 87.2059,  
50.0673

■ 67.8729, 85.1677,  
38.8491

■ 77.2950, 89.4857,  
63.6524

■ 63.9657, 83.3484,  
29.8564

■ 82.8620, 92.0056,  
79.7237

■ 60.5555, 81.7399,  
22.9418

■ 89.0314, 94.7791,  
98.3991

■ 57.6091, 80.3287,  
17.9375

■ 93.4775, 96.8549,  
108.3758

■ 55.0883, 79.0993,  
14.6497

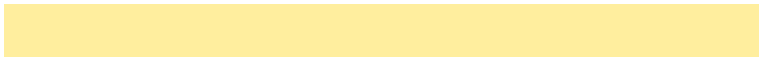
■ 52.9470, 78.0332,  
12.8435

■ 51.5920, 77.3473,  
12.2103

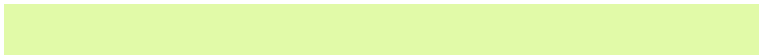
# Harmonies

## Analogous

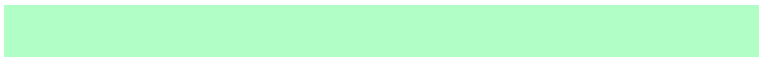
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.8565, 87.2059, 44.7124



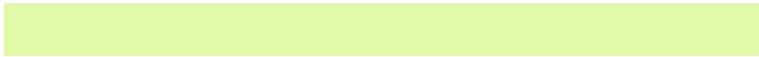
72.3048, 87.2059, 50.0673



65.1832, 87.2059, 66.7709

# Triad

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



72.3048, 87.2059, 50.0673



72.3524, 87.2059, 160.9871



106.9876, 87.2059, 94.8663

# Complementary

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



72.3048, 87.2059, 50.0673



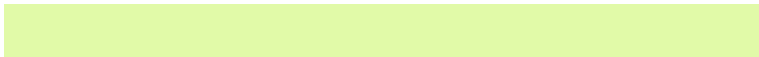
53.2537, 46.2472, 96.5672

# Split Complementary

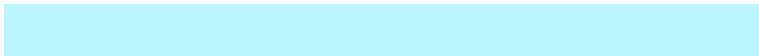
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.5360, 87.2059, 130.1209



72.3048, 87.2059, 50.0673



82.9167, 87.2059, 173.2728

# Square

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



72.3048, 87.2059, 50.0673



65.2089, 87.2059, 130.3050



94.4535, 87.2059, 160.8647



103.5012, 87.2059, 66.6530

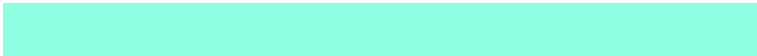


# Rectangle

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



72.3048, 87.2059, 50.0673



62.9821, 87.2059, 84.4670



94.4535, 87.2059, 160.8647



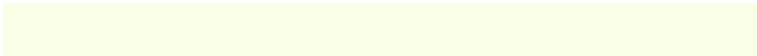
106.5966, 87.2059, 106.2715

# Sweetspot

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



72.3070, 87.2098, 50.0692



88.4097, 97.0201, 88.5624



65.4770, 61.1172, 45.3928



18.7346, 20.6813, 18.3922



0.0000, 0.0000, 0.0000

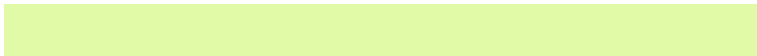


20.3446, 21.4041, 23.3091

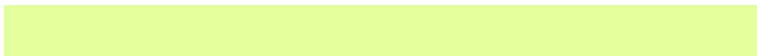


# Same Dimension

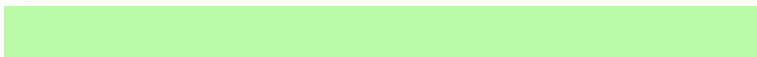
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.3070, 87.2098, 50.0692



72.6726, 89.8603, 44.7676



61.1194, 81.4424, 49.5456



18.1821, 19.9096, 18.3470



27.5179, 41.1043, 6.4836



2.6564, 3.8625, 0.6055



# Inverse Universe

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



53.2537, 46.2472, 96.5672



50.0826, 41.2697, 99.9340



65.0615, 52.3343, 97.1198



16.7807, 16.8996, 21.7628



10.8711, 4.5469, 48.2782

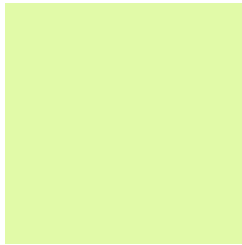


1.1097, 0.4742, 4.4762



# Previews

## White Background



This preview shows how the XYZ color 72.3048, 87.2059, 50.0673 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

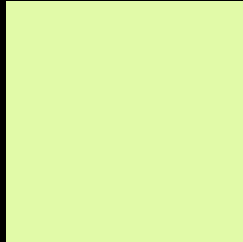
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.3048, 87.2059, 50.0673 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

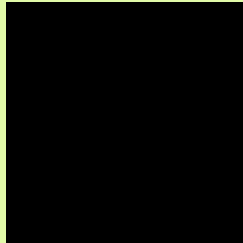
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

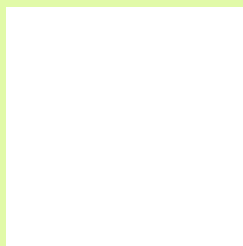
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.3048, 87.2059, 50.0673**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.3048, 87.2059, 50.0673.



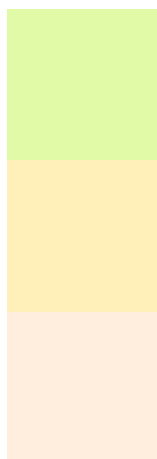
This preview shows how white text looks on a background with the XYZ color 72.3048, 87.2059, 50.0673.

50.0673.

# 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

72.3048, 87.2059, 50.0673

### Protanopia

81.1570, 87.0830, 58.4302

### Deuteranopia

84.5753, 87.0488, 80.7511



## Tritanopia

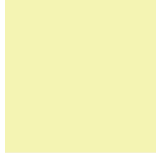
84.1764, 87.1301, 106.9890

# Trichromacy



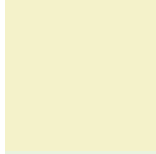
## Original Color

72.3048, 87.2059, 50.0673



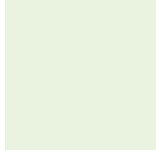
## Protanomaly

77.7956, 87.1891, 55.3767



## Deuteranomaly

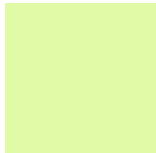
79.7210, 87.0016, 68.4684



## Tritanomaly

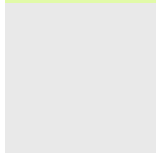
78.9741, 86.7525, 82.3946

# Monochromacy



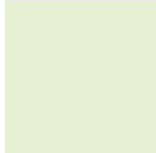
## Original Color

72.3048, 87.2059, 50.0673



## Achromatopsia

77.4512, 81.4847, 88.7368



## Achromatomaly

75.0083, 83.1594, 72.4196

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.3048, 87.2059, 50.0673 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(225, 250, 168)` looks like.

```
.text, #text, p{  
    color:rgb(225, 250, 168)  
}
```

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(225, 250, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 250, 168) }
```

## Border

The CSS property to change the border of an element to XYZ 72.3048, 87.2059, 50.0673 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".

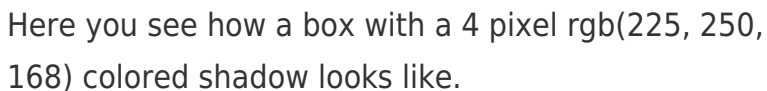
```
.border, #border, table{ border:4px solid rgb(225, 250, 168) }
```



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

```
.border{ border-color:rgb(225, 250, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(225, 250, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 250, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 250, 168); box-shadow:4px 4px 4px 4px rgb(225, 250, 168) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.3048, 87.2059, 50.0673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 250, 168) }
```

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

```
.background{ background-color: rgb(225,  
250, 168) }
```

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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