

# Converting Colors

XYZ(72.5358, 86.9255, 66.0319)

Have a look what the booklet for  
XYZ(72.5358, 86.9255, 66.0319)  
contains.

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# Color

**XYZ(72.5826, 87.0014,  
65.7908)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8FAC5
RGB	216, 250, 197
RGB Percent	85%, 98%, 77%
CMY	0.1529, 0.0196, 0.2274
CMYK	0.14, 0.00, 0.21, 0.02
HSL	98°, 84%, 88%
HSV	98°, 21%, 98%
XYZ	72.5826, 87.0014, 65.7908
YIQ	233.7920, -3.2510, -23.6910

# Conversions

## Conversions Part 2

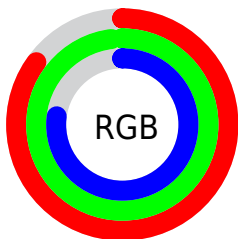
Format	Color
<b>RYB</b>	197, 250, 231
Decimal	14219973
CIELab	94.74, -20.30, 21.85
CIELCh	95, 29.824, 132.903
Yxy	87.0014, 0.3221, 0.3860
Android (android.graphics.Color)	4292410053 (0xFFD8FAC5)
YUV	233.7920, -18.1385, -15.6036
Hunter-Lab	93.2745, -24.3287, 23.4722

# Details

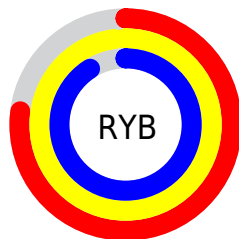
The XYZ color **72.5826, 87.0014, 65.7908** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.1801, 63.8260, 99.0679**, and the grayscale version is **78.1861, 82.2578, 89.5788**.

A 20% lighter version of the original color is **94.8894, 99.9358, 108.0543**, and **38.7258, 47.7002, 33.1526** is the 20% darker color. If you saturate the color by 10%, you get **65.4432, 83.6275, 51.7230**, and if you desaturate by 10%, it is **80.6644, 90.8114, 82.3861**.

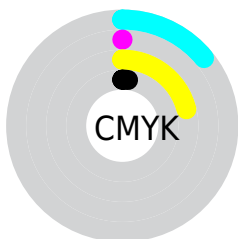
# Distribution



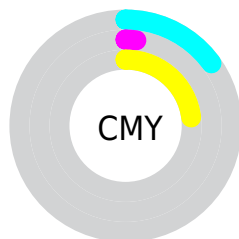
- Red (85%)
- Green (98%)
- Blue (77%)



- Red (77%)
- Yellow (98%)
- Blue (91%)



- Cyan (14%)
- Magenta (0%)
- Yellow (21%)
- Black (2%)




- Cyan (15%)
- Magenta (2%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.5826, 87.0014, 65.7908 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 72.5826, 87.0014, 65.7908 by changing the saturation by 10% instead.




 72.5826, 87.0014,  
65.7908

 72.5826, 87.0014,  
65.7908


458.6931,  
518.2275, 464.0121

 53.9219, 65.4964,  
47.6472


121.8908,  
143.1661, 114.8102

 38.7696, 47.8637,  
33.1896


153.2690,  
178.5945, 146.5230

 26.7605, 33.7189,  
21.9994


189.6171,  
219.4329, 183.5960

 17.5291, 22.6778,  
13.6581

231.3004,  
266.0656, 226.4477

 10.7101, 14.3558,  
7.7473

278.6843,  
318.8770, 275.4966

 5.9381, 8.3685,  
3.8482

332.1342,

 2.8478, 4.3316,

378.2515, 331.1613

1.5424

392.0153,  
444.5735, 393.8603

■ 1.0738, 1.8608,  
0.2493

■ 0.0030, 0.5246,  
0.0000

■ 72.5826, 87.0014,  
65.7908

■ 72.5826, 87.0014,  
65.7908

■ 65.4432, 83.6275,  
51.7230

■ 80.6644, 90.8114,  
82.3861

■ 59.2026, 80.6622,  
40.0533

■ 89.7160, 95.0613,  
101.6185

■ 53.8239, 78.0919,  
30.6490

■ 93.4774, 96.8547,  
108.3758

■ 49.2648, 75.8982,  
23.3625

■ 45.4788, 74.0605,  
18.0289

■ 42.4137, 72.5563,  
14.4585

■ 40.0094, 71.3594,  
12.4240

■ 38.3663, 70.5291,  
11.5914

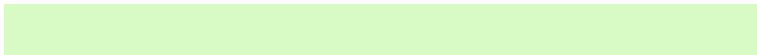
# Harmonies

## Analogous

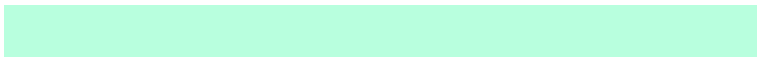
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.2790, 87.0014, 57.7125



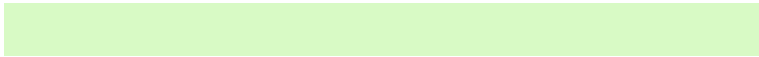
72.5826, 87.0014, 65.7908



68.7439, 87.0014, 82.2689

# Triad

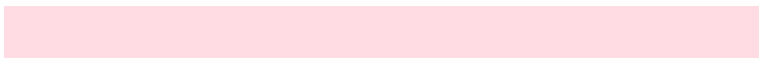
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.5826, 87.0014, 65.7908



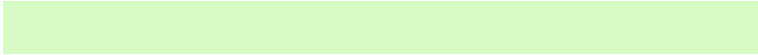
78.2184, 87.0014, 143.8106



98.7403, 87.0014, 85.1587

# Complementary

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



72.5826, 87.0014, 65.7908



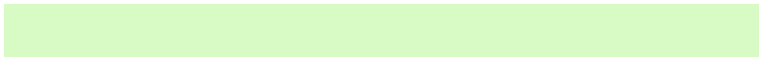
70.1801, 63.8260, 99.0679

# Split Complementary

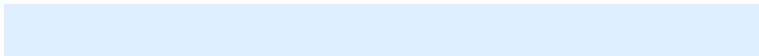
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.4102, 87.0014, 108.3893



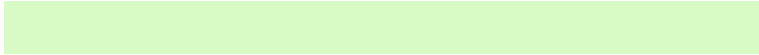
72.5826, 87.0014, 65.7908



86.2020, 87.0014, 144.9242

# Square

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



72.5826, 87.0014, 65.7908



71.8497, 87.0014, 128.2777



93.6995, 87.0014, 131.1102

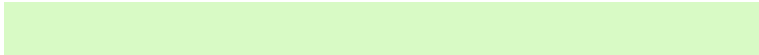


94.5741, 87.0014, 67.6090

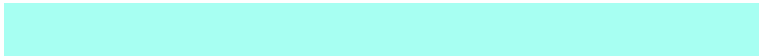


# Rectangle

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



72.5826, 87.0014, 65.7908



68.1575, 87.0014, 96.9957



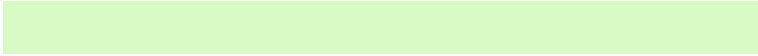
93.6995, 87.0014, 131.1102



99.1590, 87.0014, 92.4993

# Sweetspot

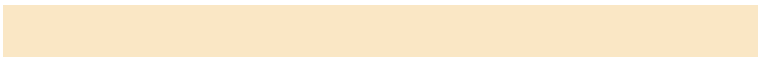
The Sweet Spot groups the original color and five complimentary colors.



72.5849, 87.0052, 65.7927



89.1641, 97.2391, 96.2742



77.9607, 81.2684, 64.4020



18.9525, 20.7510, 20.3257



0.0000, 0.0000, 0.0000

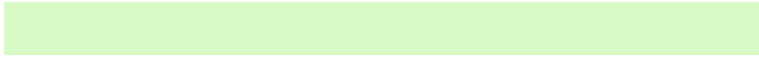


20.3446, 21.4041, 23.3091

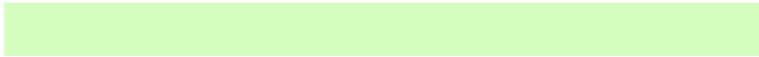


# Same Dimension

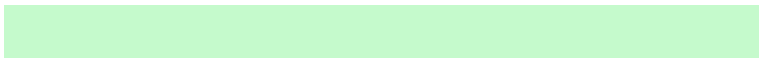
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.5849, 87.0052, 65.7927



72.9525, 89.6039, 62.8849



68.1213, 84.6083, 69.9110



17.6045, 19.6119, 18.3200



20.4919, 37.4823, 6.1548



2.0089, 3.5287, 0.5752



# Inverse Universe

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



70.1801, 63.8260, 99.0679



70.0625, 61.7715, 102.8381



75.5615, 66.7259, 93.6422



17.3542, 17.1952, 21.7896



17.0465, 7.7305, 48.5672

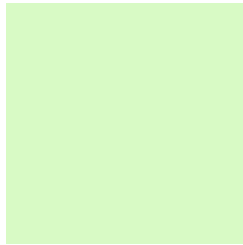


1.6944, 0.7756, 4.5036



# Previews

## White Background



This preview shows how the XYZ color 72.5826, 87.0014, 65.7908 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

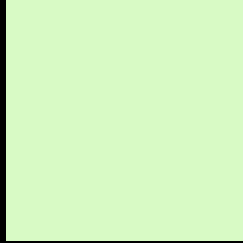
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.5826, 87.0014, 65.7908 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

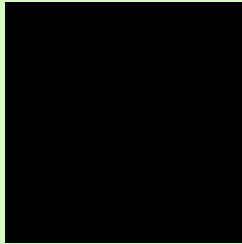
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

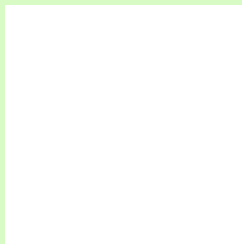
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.5826, 87.0014, 65.7908**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.5826, 87.0014, 65.7908.



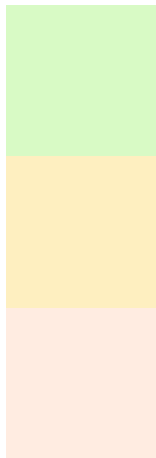
This preview shows how white text looks on a background with the XYZ color 72.5826, 87.0014,

65.7908.

# 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

72.5826, 87.0014, 65.7908

### Protanopia

81.2540, 86.6096, 62.3040

### Deuteranopia

84.8261, 86.6871, 83.4956



## Tritanopia

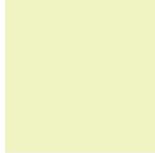
82.1384, 86.9536, 107.0623

# Trichromacy



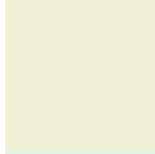
## Original Color

72.5826, 87.0014, 65.7908



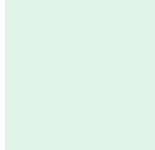
## Protanomaly

77.7234, 86.5215, 63.6428



## Deuteranomaly

79.9967, 86.5177, 76.7733



## Tritanomaly

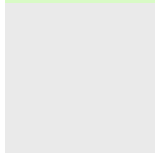
78.2533, 86.6494, 90.4425

# Monochromacy



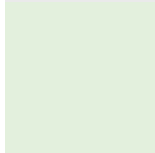
## Original Color

72.5826, 87.0014, 65.7908



## Achromatopsia

78.2058, 82.2786, 89.6014



## Achromatomaly

75.8898, 83.8715, 80.5956

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.5826, 87.0014, 65.7908 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(216, 250, 197)` looks like.

```
.text, #text, p{  
    color:rgb(216, 250, 197)  
}
```

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(216, 250, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 250, 197) }
```

## Border

The CSS property to change the border of an element to XYZ 72.5826, 87.0014, 65.7908 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(216, 250, 197) }
```



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

```
.border{ border-color:rgb(216, 250, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 250, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 250, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 250, 197);  
box-shadow:4px 4px 4px 4px rgb(216, 250,  
197) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.5826, 87.0014, 65.7908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 250, 197) }
```

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

```
.background{ background-color: rgb(216,  
250, 197) }
```

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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