

# Converting Colors

XYZ(72.6135, 87.0824, 62.8506)

Have a look what the booklet for  
XYZ(72.6135, 87.0824, 62.8506)  
contains.

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# Color

**XYZ(72.6135, 87.0824,  
62.8506)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DAFAC0
RGB	218, 250, 192
RGB Percent	85%, 98%, 75%
CMY	0.1451, 0.0196, 0.2471
CMYK	0.13, 0.00, 0.23, 0.02
HSL	93°, 85%, 87%
HSV	93°, 23%, 98%
XYZ	72.6135, 87.0824, 62.8506
YIQ	233.8200, -0.4540, -24.8220

# Conversions

## Conversions Part 2

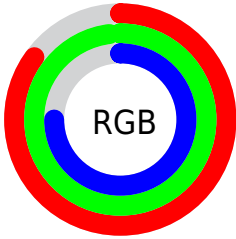
<b>Format</b>	<b>Color</b>
<b>RYB</b>	192, 250, 224
Decimal	14351040
CIELab	94.77, -20.39, 24.46
CIELCh	95, 31.844, 129.806
Yxy	87.0824, 0.3263, 0.3913
Android (android.graphics.Color)	4292541120 (0xFFDAFAC0)
YUV	233.8200, -20.6173, -13.8741
Hunter-Lab	93.3180, -24.4102, 25.3901

# Details

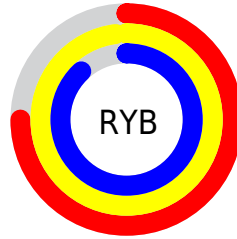
The XYZ color **72.6135, 87.0824, 62.8506** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.8489, 60.4511, 98.5920**, and the grayscale version is **78.2239, 82.2976, 89.6221**.

A 20% lighter version of the original color is **94.0989, 99.6196, 103.8915**, and **38.7617, 47.7614, 31.2207** is the 20% darker color. If you saturate the color by 10%, you get **66.1210, 84.0314, 49.2947**, and if you desaturate by 10%, it is **79.9245, 90.5062, 78.9045**.

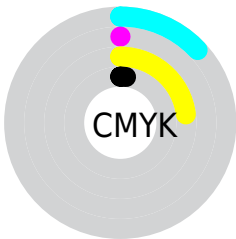
# Distribution



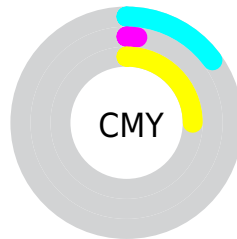
- Red (85%)
- Green (98%)
- Blue (75%)



- Red (75%)
- Yellow (98%)
- Blue (88%)



- Cyan (13%)
- Magenta (0%)
- Yellow (23%)
- Black (2%)



- Cyan (15%)
- Magenta (2%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.6135, 87.0824, 62.8506 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 72.6135, 87.0824, 62.8506 by changing the saturation by 10% instead.



72.6135, 87.0824,  
62.8506

72.6135, 87.0824,  
62.8506

458.7987,  
518.4936, 453.1201

53.9472, 65.5634,  
45.2801

121.9345,  
143.2790, 110.5374

38.7900, 47.9181,  
31.3336

153.3199,  
178.7254, 141.4909

26.7764, 33.7620,  
20.5924

189.6757,  
219.5830, 177.7424

17.5411, 22.7108,  
12.6381

231.3673,  
266.2362, 219.7106

10.7187, 14.3801,  
7.0520

278.7601,  
319.0695, 267.8139

5.9439, 8.3855,  
3.4157

332.2193,

2.8513, 4.3426,

378.4673, 322.4709

1.3106

392.1104,  
444.8138, 384.1001

■ 1.0756, 1.8670,  
0.0705

■ 0.0046, 0.5284,  
0.0000

■ 72.6135, 87.0824,  
62.8506

■ 72.6135, 87.0824,  
62.8506

■ 66.1210, 84.0314,  
49.2947

■ 79.9245, 90.5062,  
78.9045

■ 60.4082, 81.3280,  
38.1056

■ 88.0773, 94.3045,  
97.5674

■ 55.4427, 78.9613,  
29.1487

■ 93.4774, 96.8547,  
108.3758

■ 51.1871, 76.9153,  
22.2735

■ 47.6000, 75.1722,  
17.3110

■ 44.6346, 73.7122,  
14.0658

■ 42.2353, 72.5119,  
12.3004

■ 40.8771, 71.8234,  
11.7089

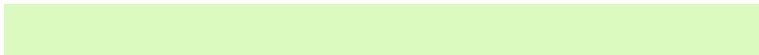
# Harmonies

## Analogous

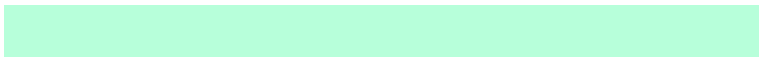
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.9806, 87.0824, 55.3407



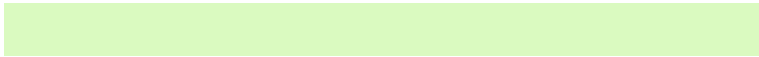
72.6135, 87.0824, 62.8506



68.1792, 87.0824, 79.3702

# Triad

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



72.6135, 87.0824, 62.8506



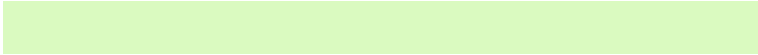
77.1832, 87.0824, 146.6596



100.1837, 87.0824, 86.9674

# Complementary

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



72.6135, 87.0824, 62.8506



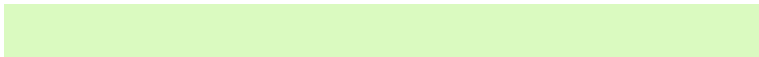
66.8489, 60.4511, 98.5920

# Split Complementary

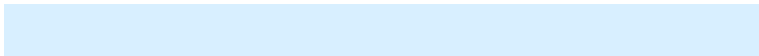
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.3049, 87.0824, 112.1503



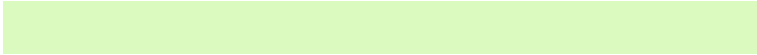
72.6135, 87.0824, 62.8506



85.6219, 87.0824, 149.6521

# Square

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



72.6135, 87.0824, 62.8506



70.6879, 87.0824, 128.5374



93.8303, 87.0824, 136.1190

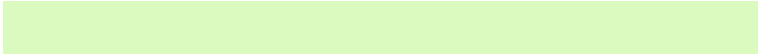


96.1542, 87.0824, 67.5805



# Rectangle

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



72.6135, 87.0824, 62.8506



67.2887, 87.0824, 94.6576



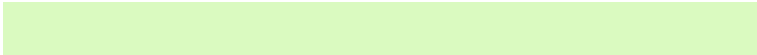
93.8303, 87.0824, 136.1190



100.4587, 87.0824, 94.9784

# Sweetspot

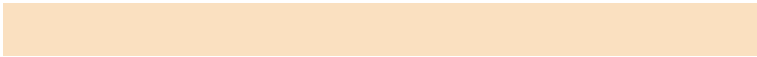
The Sweet Spot groups the original color and five complimentary colors.



72.6158, 87.0862, 62.8525



88.7768, 97.0828, 94.2955



75.5709, 77.3907, 60.8253



18.8906, 20.7279, 19.9275



0.0000, 0.0000, 0.0000

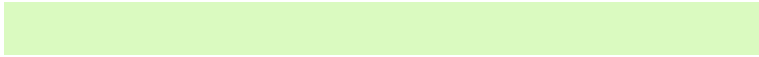


20.3446, 21.4041, 23.3091

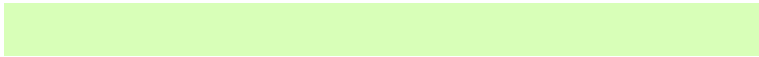


# Same Dimension

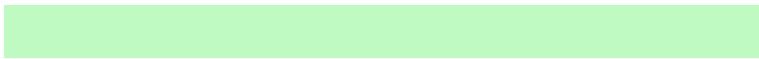
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.6158, 87.0862, 62.8525



72.5718, 89.5026, 58.5787



65.7654, 83.5172, 64.2261



17.7561, 19.6900, 18.3271



21.8415, 38.1780, 6.2179



2.1429, 3.5978, 0.5815



# Inverse Universe

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



66.8489, 60.4511, 98.5920



65.5378, 57.0224, 102.1600



75.0813, 64.7472, 96.6213



17.1988, 17.1151, 21.7824



14.8755, 6.6113, 48.4656

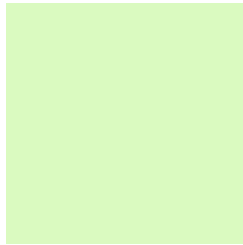


1.4998, 0.6752, 4.4945



# Previews

## White Background



This preview shows how the XYZ color 72.6135, 87.0824, 62.8506 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 72.6135, 87.0824, 62.8506 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

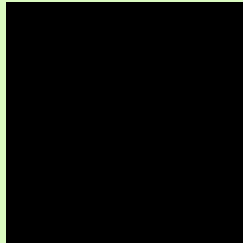
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

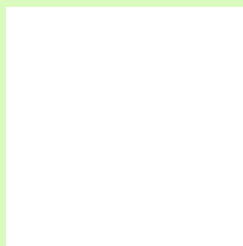
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.6135, 87.0824, 62.8506**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.6135, 87.0824, 62.8506.



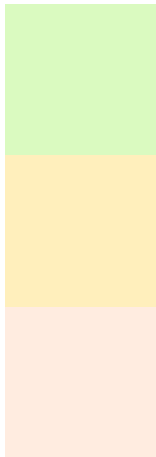
This preview shows how white text looks on a background with the XYZ color 72.6135, 87.0824,

62.8506.

# 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

72.6135, 87.0824, 62.8506

### Protanopia

81.1836, 86.6238, 60.0182

### Deuteranopia

84.6900, 86.6327, 82.7792



## Tritanopia

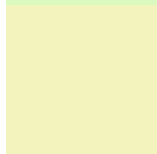
82.4603, 87.1195, 107.0774

# Trichromacy



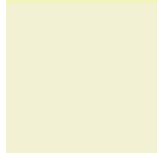
## Original Color

72.6135, 87.0824, 62.8506



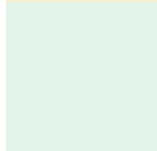
## Protanomaly

77.8538, 86.6526, 60.7664



## Deuteranomaly

79.9569, 86.5413, 74.7773



## Tritanomaly

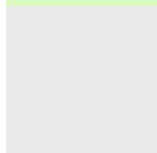
78.2802, 86.6963, 88.9522

# Monochromacy



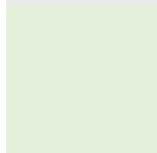
## Original Color

72.6135, 87.0824, 62.8506



## Achromatopsia

78.2058, 82.2786, 89.6014



## Achromatomaly

75.9412, 83.9286, 79.2152

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.6135, 87.0824, 62.8506 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(218, 250, 192)` looks like.

```
.text, #text, p{  
    color:rgb(218, 250, 192)  
}
```

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(218, 250, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 250, 192) }
```

## Border

The CSS property to change the border of an element to XYZ 72.6135, 87.0824, 62.8506 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(218, 250, 192) }
```



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

```
.border{ border-color:rgb(218, 250, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 250, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 250, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 250, 192);  
box-shadow:4px 4px 4px 4px rgb(218, 250,  
192) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.6135, 87.0824, 62.8506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 250, 192) }
```

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

```
.background{ background-color: rgb(218,  
250, 192) }
```

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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