

# Converting Colors

XYZ(71.0182, 84.8581, 63.6775)

Have a look what the booklet for  
XYZ(71.0182, 84.8581, 63.6775)  
contains.

<b>XYZ(71.0227, 84.8636, 63.6760)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(71.0227, 84.8636,  
63.6760)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7F7C2
RGB	215, 247, 194
RGB Percent	84%, 97%, 76%
CMY	0.1569, 0.0314, 0.2392
CMYK	0.13, 0.00, 0.21, 0.03
HSL	96°, 77%, 86%
HSV	96°, 21%, 97%
XYZ	71.0227, 84.8636, 63.6760
YIQ	231.3900, -2.0590, -23.2670

# Conversions

## Conversions Part 2

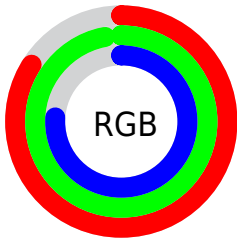
Format	Color
<a href="#">RYB</a>	<a href="#">194, 247, 226</a>
Decimal	<a href="#">14153666</a>
CIELab	<a href="#">93.82, -19.66, 22.10</a>
CIElCh	<a href="#">94, 29.579, 131.653</a>
Yxy	<a href="#">84.8636, 0.3235, 0.3865</a>
Android (android.graphics.Color)	<a href="#">4292343746</a> ( <a href="#">0xFFD7F7C2</a> )
YUV	<a href="#">231.3900, -18.4333, -14.3740</a>
Hunter-Lab	<a href="#">92.1214, -23.5947, 23.5027</a>

# Details

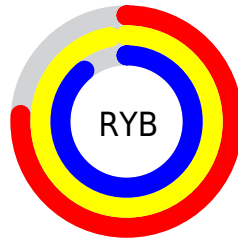
The XYZ color **71.0227, 84.8636, 63.6760** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.4478, 61.4701, 96.3102**, and the grayscale version is **76.3823, 80.3601, 87.5122**.

A 20% lighter version of the original color is **94.4126, 99.7450, 105.5434**, and **37.8616, 46.6286, 31.8157** is the 20% darker color. If you saturate the color by 10%, you get **64.2947, 81.6921, 50.0642**, and if you desaturate by 10%, it is **78.6156, 88.4328, 79.7386**.

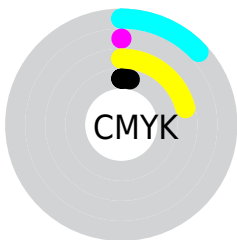
# Distribution



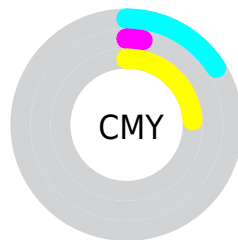
- Red (84%)
- Green (97%)
- Blue (76%)



- Red (76%)
- Yellow (97%)
- Blue (89%)



- Cyan (13%)
- Magenta (0%)
- Yellow (21%)
- Black (3%)



- Cyan (16%)
- Magenta (3%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.0227, 84.8636, 63.6760 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 71.0227, 84.8636, 63.6760 by changing the saturation by 10% instead.



71.0227, 84.8636,  
63.6760

71.0227, 84.8636,  
63.6760

453.3434,  
511.1766, 456.1940

52.6433, 63.7287,  
45.9438

119.6844,  
140.1826, 111.7392

37.7444, 46.4310,  
31.8531

150.6974,  
175.1354, 142.9072

25.9607, 32.5860,  
20.9855

186.6523,  
215.4631, 179.3910

16.9268, 21.8095,  
12.9222

227.9146,  
261.5499, 221.6089

10.2773, 13.7170,  
7.2449

274.8494,  
313.7802, 269.9797

5.6469, 7.9241,  
3.5350

327.8223,

2.6702, 4.0464,

372.5386, 324.9217

1.3739

387.1985,  
438.2092, 386.8537

■ 0.9818, 1.6996,  
0.1212

■ 0.0000, 0.4234,  
0.0000

■ 71.0227, 84.8636,  
63.6760

■ 71.0227, 84.8636,  
63.6760

■ 64.2947, 81.6921,  
50.0642

■ 78.6156, 88.4328,  
79.7386

■ 58.3916, 78.8926,  
38.7773

■ 87.0982, 92.4024,  
98.3586

■ 53.2797, 76.4533,  
29.6865

■ 92.5525, 95.0049,  
108.0675

■ 48.9205, 74.3572,  
22.6482

■ 45.2712, 72.5861,  
17.5018

■ 42.2842, 71.1192,  
14.0628

■ 39.9038, 69.9329,  
12.1095

■ 38.2842, 69.1137,  
11.3225

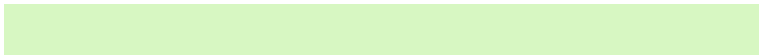
# Harmonies

## Analogous

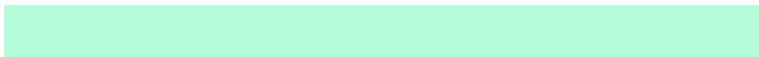
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.6447, 84.8636, 56.1489



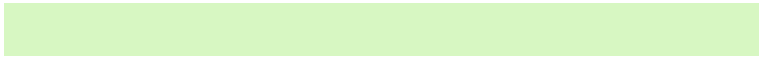
71.0227, 84.8636, 63.6760



67.1430, 84.8636, 79.4305

# Triad

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



71.0227, 84.8636, 63.6760



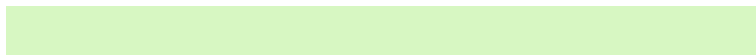
75.9938, 84.8636, 139.8996



96.3937, 84.8636, 83.9287

# Complementary

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



71.0227, 84.8636, 63.6760



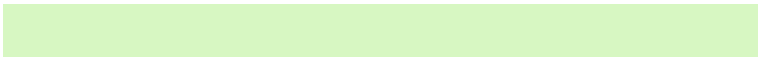
67.4478, 61.4701, 96.3102

# Split Complementary

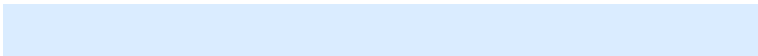
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.8800, 84.8636, 106.7141



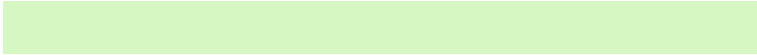
71.0227, 84.8636, 63.6760



83.7530, 84.8636, 141.6324

# Square

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



71.0227, 84.8636, 63.6760



69.8819, 84.8636, 124.2735



91.1326, 84.8636, 128.6812

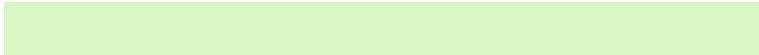


92.4937, 84.8636, 66.5066

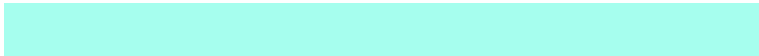


# Rectangle

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



71.0227, 84.8636, 63.6760



66.4707, 84.8636, 93.6566



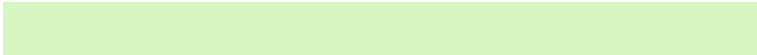
91.1326, 84.8636, 128.6812



96.7380, 84.8636, 91.1587

# Sweetspot

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



71.0249, 84.8673, 63.6778



89.3661, 97.3432, 96.2836



75.2407, 77.9566, 62.1217



19.0002, 20.7756, 20.3279



0.0000, 0.0000, 0.0000

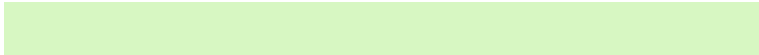


20.3446, 21.4041, 23.3091

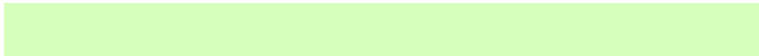


# Same Dimension

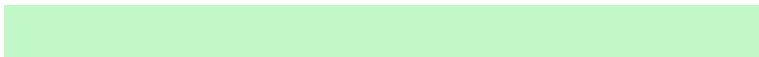
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.0249, 84.8673, 63.6778



72.9273, 89.6231, 61.4289



65.8551, 82.1321, 66.5993



16.9034, 18.7922, 17.5339



20.3953, 36.6269, 5.9948



1.9048, 3.2770, 0.5321



# Inverse Universe

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



67.4478, 61.4701, 96.3102



68.4112, 60.1004, 102.6026



73.6347, 64.7528, 92.3900



16.5413, 16.4217, 20.8404



15.6121, 7.0227, 47.0707

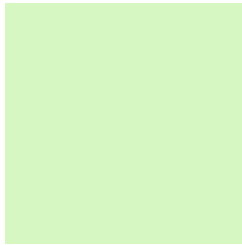


1.4876, 0.6768, 4.1425



# Previews

## White Background



This preview shows how the XYZ color 71.0227, 84.8636, 63.6760 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

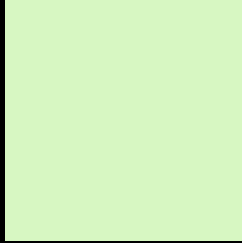
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.0227, 84.8636, 63.6760 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

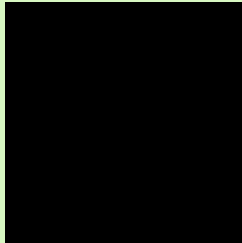
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

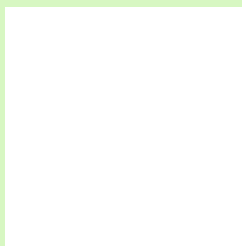
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.0227, 84.8636, 63.6760**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.0227, 84.8636, 63.6760.



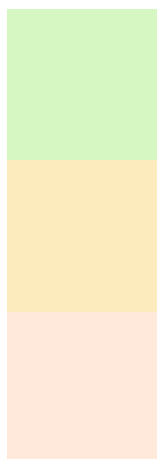
This preview shows how white text looks on a background with the XYZ color 71.0227, 84.8636,

63.6760.

# 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

71.0227, 84.8636, 63.6760

### Protanopia

79.3256, 84.3605, 60.2464

### Deuteranopia

83.1651, 84.6523, 78.9741



## Tritanopia

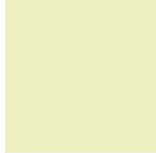
79.9886, 84.5378, 106.7093

# Trichromacy



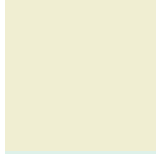
## Original Color

71.0227, 84.8636, 63.6760



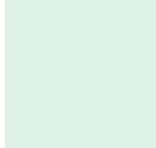
## Protanomaly

76.1607, 84.4325, 61.5732



## Deuteranomaly

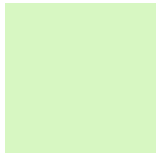
78.1426, 84.3275, 73.1310



## Tritanomaly

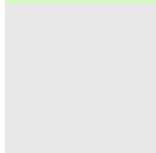
76.2875, 84.3234, 89.3461

# Monochromacy



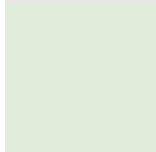
## Original Color

71.0227, 84.8636, 63.6760



## Achromatopsia

75.9547, 79.9103, 87.0223



## Achromatomaly

73.9904, 81.6379, 78.1876

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.0227, 84.8636, 63.6760 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(215, 247, 194)` looks like.

```
.text, #text, p{  
    color:rgb(215, 247, 194)  
}
```

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(215, 247, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 247, 194) }
```

## Border

The CSS property to change the border of an element to XYZ 71.0227, 84.8636, 63.6760 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(215, 247, 194) }
```



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

```
.border{ border-color:rgb(215, 247, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 247, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 247, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 247, 194);  
box-shadow:4px 4px 4px 4px rgb(215, 247,  
194) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.0227, 84.8636, 63.6760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 247, 194) }
```

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

```
.background{ background-color: rgb(215,  
247, 194) }
```

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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