

# Converting Colors

XYZ(64.6664, 77.8203, 44.9579)

Have a look what the booklet for  
XYZ(64.6664, 77.8203, 44.9579)  
contains.

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# Color

**XYZ(64.6513, 77.9833,  
44.9025)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6EEA0
RGB	214, 238, 160
RGB Percent	84%, 93%, 63%
CMY	0.1608, 0.0666, 0.3725
CMYK	0.10, 0.00, 0.33, 0.07
HSL	78°, 70%, 78%
HSV	78°, 33%, 93%
XYZ	64.6513, 77.9833, 44.9025
YIQ	221.9320, 10.7340, -29.3460

# Conversions

## Conversions Part 2

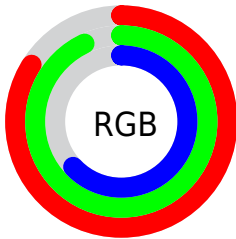
Format	Color
<a href="#">RYB</a>	<a href="#">160, 238, 184</a>
Decimal	<a href="#">14085792</a>
CIELab	<a href="#">90.77, -20.50, 35.22</a>
CIElCh	<a href="#">91, 40.753, 120.198</a>
Yxy	<a href="#">77.9833, 0.3447, 0.4158</a>
Android (android.graphics.Color)	<a href="#">4292275872</a> ( <a href="#">0xFFD6EEA0</a> )
YUV	<a href="#">221.9320, -30.5325, -6.9564</a>
Hunter-Lab	<a href="#">88.3082, -23.8576, 31.6682</a>

# Details

The XYZ color **64.6513, 77.9833, 44.9025** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **47.7736, 41.5071, 86.3870**, and the grayscale version is **69.5884, 73.2124, 79.7283**.

A 20% lighter version of the original color is **89.2657, 97.6863, 78.4405**, and **33.5353, 41.8077, 20.4896** is the 20% darker color. If you saturate the color by 10%, you get **60.6762, 76.1545, 34.8691**, and if you desaturate by 10%, it is **69.1251, 80.0280, 57.0429**.

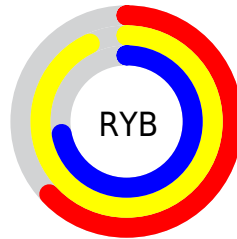
# Distribution



Red (84%)

Green (93%)

Blue (63%)



Red (63%)

Yellow (93%)

Blue (72%)

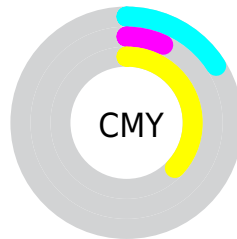


Cyan (10%)

Magenta (0%)

Yellow (33%)

Black (7%)



Cyan (16%)

Magenta (7%)

Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6513, 77.9833, 44.9025 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 64.6513, 77.9833, 44.9025 by changing the saturation by 10% instead.



64.6513, 77.9833,  
44.9025

64.6513, 77.9833,  
44.9025

431.1029,  
488.1101, 382.5271

47.4420, 58.0603,  
31.0382

110.6169,  
130.5266, 83.8910

33.5946, 41.8571,  
20.3693

140.1039,  
163.9156, 109.8523

22.7438, 28.9894,  
12.4770

174.4143,  
202.5621, 140.6830

14.5241, 19.0728,  
6.9430

213.9132,  
246.8504, 176.8017

8.5702, 11.7229,  
3.3485

258.9662,  
297.1650, 218.6270

4.5168, 6.5553,  
1.2752

309.9386,

1.9984, 3.1856,

353.8902, 266.5773

0.0414

367.1957,  
417.4104, 321.0711

0.6331, 1.2294,  
0.0000

0.0000, 0.0855,  
0.0000

64.6513, 77.9833,  
44.9025

64.6513, 77.9833,  
44.9025

60.6762, 76.1545,  
34.8691

69.1251, 80.0280,  
57.0429

57.1698, 74.5214,  
26.8175

74.1140, 82.2874,  
71.3959

54.1077, 73.0769,  
20.6170

79.6406, 84.7732,  
88.0663

51.4604, 71.8090,  
16.1190

85.6915, 87.4802,  
106.9767

■ 49.1941, 70.7040,  
13.1522

■ 88.2742, 88.8117,  
107.0976

■ 47.2680, 69.7455,  
11.5095

■ 89.8662, 89.6324,  
107.1721

■ 46.0435, 69.1261,  
10.9159

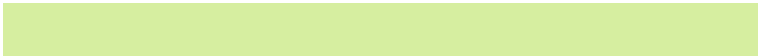
# Harmonies

## Analogous

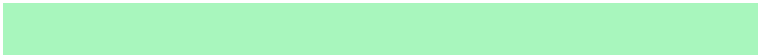
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.0527, 77.9833, 40.0818



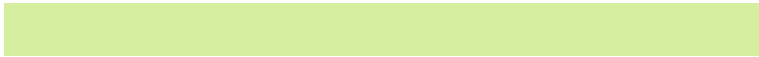
64.6513, 77.9833, 44.9025



58.3138, 77.9833, 59.8544

# Triad

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



64.6513, 77.9833, 44.9025



64.7591, 77.9833, 143.8463



95.6060, 77.9833, 84.7156

# Complementary

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



64.6513, 77.9833, 44.9025



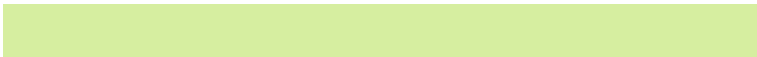
47.7736, 41.5071, 86.3870

# Split Complementary

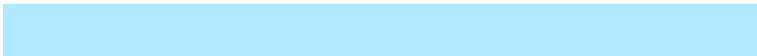
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.5535, 77.9833, 116.1339



64.6513, 77.9833, 44.9025



74.1889, 77.9833, 154.7065

# Square

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



64.6513, 77.9833, 44.9025



58.3719, 77.9833, 116.5507



84.4725, 77.9833, 143.5692

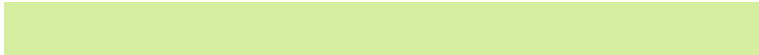


92.4746, 77.9833, 59.5872



# Rectangle

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



64.6513, 77.9833, 44.9025



56.3617, 77.9833, 75.6677



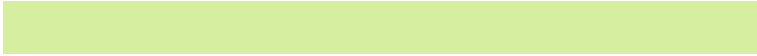
84.4725, 77.9833, 143.5692



95.2659, 77.9833, 94.8770

# Sweetspot

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



64.6533, 77.9867, 44.9042



88.3844, 97.0070, 88.5612



58.6240, 54.7499, 40.7368



18.7285, 20.6781, 18.3919



0.0000, 0.0000, 0.0000

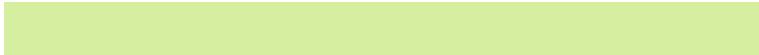


20.3446, 21.4041, 23.3091

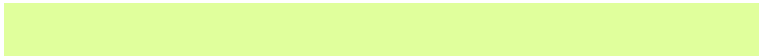


# Same Dimension

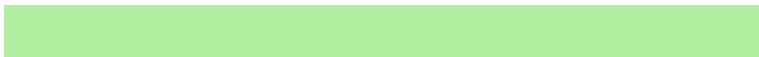
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.6533, 77.9867, 44.9042



72.5857, 89.8155, 44.7635



54.7364, 72.8744, 44.4401



16.6220, 18.2008, 16.7868



25.8245, 38.6346, 6.0961



2.2495, 3.2662, 0.5119



# Inverse Universe

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



47.7736, 41.5071, 86.3870



50.1505, 41.3047, 99.9371



58.2531, 46.9095, 86.8775



15.3548, 15.4646, 19.8973



10.2689, 4.2992, 45.4165

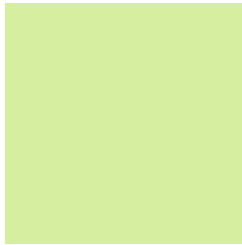


0.9522, 0.4081, 3.7828



# Previews

## White Background



This preview shows how the XYZ color 64.6513, 77.9833, 44.9025 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 64.6513, 77.9833, 44.9025 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

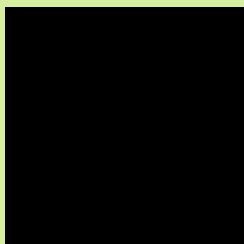
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

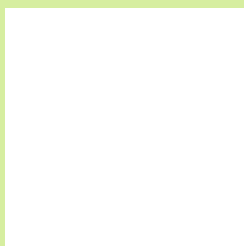
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 64.6513, 77.9833, 44.9025**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.6513, 77.9833, 44.9025.



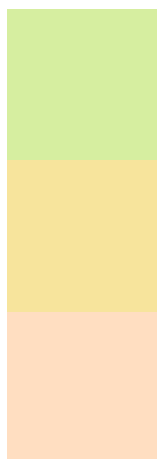
This preview shows how white text looks on a background with the XYZ color 64.6513, 77.9833,



# 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

64.6513, 77.9833, 44.9025

### Protanopia

72.1019, 77.6613, 42.6424

### Deuteranopia

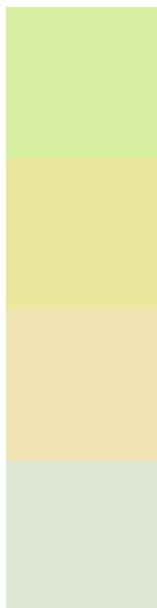
76.9869, 77.3528, 61.3250



## Tritanopia

75.3145, 77.6995, 97.4142

# Trichromacy



## Original Color

64.6513, 77.9833, 44.9025

## Protanomaly

69.2034, 77.8097, 43.2697

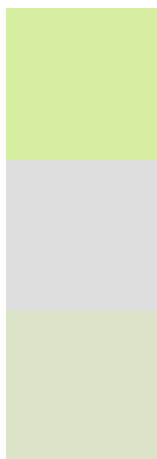
## Deuteranomaly

72.0191, 77.3483, 54.8500

## Tritanomaly

70.8377, 77.5365, 74.8508

# Monochromacy



## Original Color

64.6513, 77.9833, 44.9025

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

67.2656, 74.6704, 64.9004

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.6513, 77.9833, 44.9025 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(214, 238, 160)` looks like.

```
.text, #text, p{  
    color:rgb(214, 238, 160)  
}
```

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(214, 238, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 238, 160) }
```

## Border

The CSS property to change the border of an element to XYZ 64.6513, 77.9833, 44.9025 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(214, 238, 160) }
```



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

```
.border{ border-color:rgb(214, 238, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 238, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(214, 238, 160); -webkit-box-shadow:4px 4px 4px 4px rgb(214, 238, 160); box-shadow:4px 4px 4px 4px rgb(214, 238, 160) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.6513, 77.9833, 44.9025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 238, 160) }
```

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

```
.background{ background-color: rgb(214,  
238, 160) }
```

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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