

# Converting Colors

XYZ(65.0183, 72.1226, 60.4856)

Have a look what the booklet for  
XYZ(65.0183, 72.1226, 60.4856)  
contains.

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# Color

**XYZ(64.7854, 71.8688,  
60.3267)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D9E0C0
RGB	217, 224, 192
RGB Percent	85%, 88%, 75%
CMY	0.1490, 0.1215, 0.2471
CMYK	0.03, 0.00, 0.14, 0.12
HSL	73°, 34%, 82%
HSV	73°, 14%, 88%
XYZ	64.7854, 71.8688, 60.3267
YIQ	218.2590, 6.1000, -11.4360

# Conversions

## Conversions Part 2

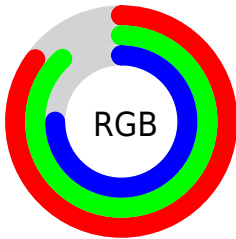
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	192, 224, 199
Decimal	14278848
CIE <sub>Lab</sub>	87.91, -7.84, 14.88
CIE <sub>LCh</sub>	88, 16.819, 117.774
Yxy	71.8688, 0.3289, 0.3649
Android (android.graphics.Color)	4292468928 (0xFFD9E0C0)
YUV	218.2590, -12.9457, -1.1041
Hunter-Lab	84.7755, -11.9474, 17.1517

# Details

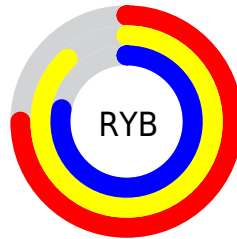
The XYZ color **64.7854, 71.8688, 60.3267** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **55.8601, 55.2251, 78.2402**, and the grayscale version is **66.9045, 70.3888, 76.6534**.

A 20% lighter version of the original color is **93.9433, 99.5573, 103.0721**, and **33.6757, 37.8923, 29.5838** is the 20% darker color. If you saturate the color by 10%, you get **61.0549, 70.2131, 48.1673**, and if you desaturate by 10%, it is **68.9409, 73.7042, 74.4808**.

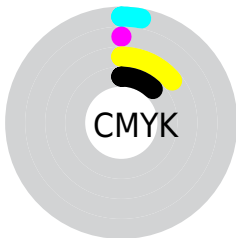
# Distribution



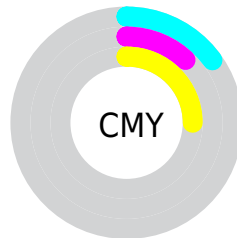
- Red (85%)
- Green (88%)
- Blue (75%)



- Red (75%)
- Yellow (88%)
- Blue (78%)



- Cyan (3%)
- Magenta (0%)
- Yellow (14%)
- Black (12%)



- Cyan (15%)
- Magenta (12%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7854, 71.8688, 60.3267 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 64.7854, 71.8688, 60.3267 by changing the saturation by 10% instead.



64.7854, 71.8688,  
60.3267

64.7854, 71.8688,  
60.3267

431.5778,  
467.0848, 443.6390

47.5511, 53.0515,  
43.2550

110.8087,  
121.8700, 106.8514

33.6813, 37.8439,  
29.7524

140.3285,  
153.8227, 137.1416

22.8106, 25.8616,  
19.4002

174.6741,  
190.9226, 172.6749

14.5737, 16.7201,  
11.7801

214.2109,  
233.5542, 213.8700

8.6051, 10.0351,  
6.4734

259.3044,  
282.1018, 261.1455

4.5395, 5.4223,  
3.0616

310.3198,

2.0117, 2.4971,

336.9498, 314.9197

1.1262

367.6225,  
398.4827, 375.6114

■ 0.6405, 0.8752,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 64.7854, 71.8688,  
60.3267

■ 64.7854, 71.8688,  
60.3267

■ 61.0549, 70.2131,  
48.1673

■ 68.9409, 73.7042,  
74.4808

■ 57.7262, 68.7207,  
37.9084

■ 73.5319, 75.7165,  
90.7091

■ 54.7826, 67.3873,  
29.4549

■ 77.8914, 77.6413,  
105.4887

■ 52.2037, 66.2046,  
22.7019

■ 79.5026, 78.4719,  
105.5641

■ 49.9671, 65.1637,  
17.5336

■ 81.1585, 79.3256,  
105.6416

■ 48.0477, 64.2544,  
13.8196

■ 82.8595, 80.2025,  
105.7212

■ 46.4165, 63.4652,  
11.4092

■ 84.6059, 81.1028,  
105.8029

■ 45.0382, 62.7818,  
10.1183

■ 85.9471, 81.7942,  
105.8657

■ 44.3317, 62.4258,  
9.7129

# Harmonies

## Analogous

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



68.6085, 71.8688, 58.2306



64.7854, 71.8688, 60.3267



62.0034, 71.8688, 67.0781

# Triad

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



64.7854, 71.8688, 60.3267



64.2868, 71.8688, 98.4180



76.2914, 71.8688, 79.1123

# Complementary

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



64.7854, 71.8688, 60.3267



55.8601, 55.2251, 78.2402

# 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.



75.0285, 71.8688, 90.6046



64.7854, 71.8688, 60.3267



68.0106, 71.8688, 102.4075

# Square

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



64.7854, 71.8688, 60.3267



61.7236, 71.8688, 88.9792



71.9584, 71.8688, 99.4190



75.3472, 71.8688, 68.4253



# Rectangle

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



64.7854, 71.8688, 60.3267



61.0605, 71.8688, 73.6775



71.9584, 71.8688, 99.4190



76.1099, 71.8688, 83.0139

# Sweetspot

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



64.7873, 71.8719, 60.3282



92.6344, 98.9394, 100.4411



60.6655, 60.4714, 58.3450



19.7326, 21.1354, 21.1689



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

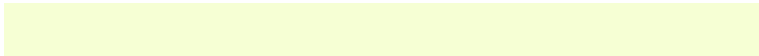


# Same Dimension

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



64.7873, 71.8719, 60.3282



85.4348, 95.7606, 76.0369



60.2778, 69.5472, 60.1172



14.5629, 15.8703, 14.6025



25.9046, 36.3868, 5.6580



1.8691, 2.5601, 0.3956



# Inverse Universe

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



55.8601, 55.2251, 78.2402



71.3668, 69.5259, 104.2662



60.3114, 57.5198, 78.4485



13.2311, 13.3872, 17.2743



8.6497, 3.5544, 41.2785

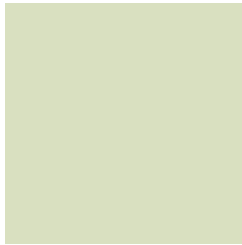


0.6757, 0.2856, 2.8648



# Previews

## White Background



This preview shows how the XYZ color 64.7854, 71.8688, 60.3267 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 64.7854, 71.8688, 60.3267 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

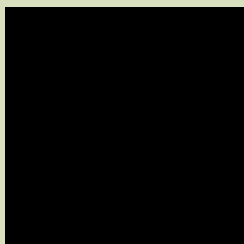
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

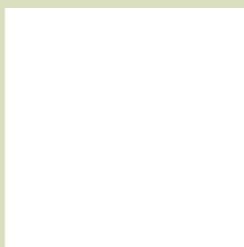
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 64.7854, 71.8688, 60.3267**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.7854, 71.8688, 60.3267.



This preview shows how white text looks on a background with the XYZ color 64.7854, 71.8688,



# 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

64.7854, 71.8688, 60.3267

### Protanopia

67.8425, 71.8930, 59.0163

### Deuteranopia

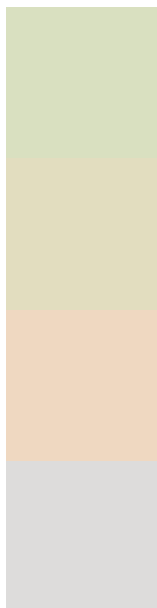
73.0647, 71.4912, 60.9872



## Tritanopia

70.4982, 71.8289, 88.7460

# Trichromacy



## Original Color

64.7854, 71.8688, 60.3267

## Protanomaly

66.6245, 71.6432, 59.6073

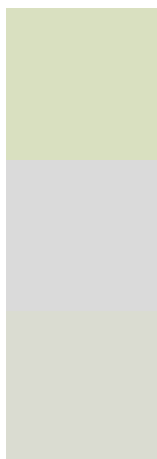
## Deuteranomaly

69.7781, 71.3127, 60.5391

## Tritanomaly

68.1982, 71.6730, 77.2577

# Monochromacy



## Original Color

64.7854, 71.8688, 60.3267

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

66.0153, 70.6953, 70.4878

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.7854, 71.8688, 60.3267 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(217, 224, 192)` looks like.

```
.text, #text, p{  
    color:rgb(217, 224, 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(217, 224, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 224, 192) }
```

## Border

The CSS property to change the border of an element to XYZ 64.7854, 71.8688, 60.3267 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(217, 224, 192) }
```



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

```
.border{ border-color:rgb(217, 224, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 224, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 224, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 224, 192);  
box-shadow:4px 4px 4px 4px rgb(217, 224,  
192) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.7854, 71.8688, 60.3267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 224, 192) }
```

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

```
.background{ background-color: rgb(217,  
224, 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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