

Converting Colors

XYZ(68.3193, 73.9346, 63.2797)

Have a look what the booklet for
XYZ(68.3193, 73.9346, 63.2797)
contains.

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Color

**XYZ(68.3673, 74.0504,
63.5131)**

Conversions

Conversions Part 1

Format	Color
Hex	E2E1C5
RGB	226, 225, 197
RGB Percent	89%, 88%, 77%
CMY	0.1137, 0.1176, 0.2274
CMYK	0.00, 0.00, 0.13, 0.11
HSL	58°, 33%, 83%
HSV	58°, 13%, 89%
XYZ	68.3673, 74.0504, 63.5131
YIQ	222.1070, 9.5840, -8.4960

Conversions

Conversions Part 2

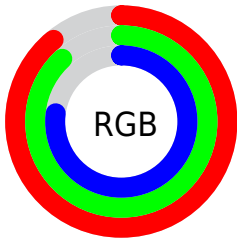
Format	Color
R_{YB}	198, 226, 197
Decimal	14868933
CIE _{Lab}	88.95, -4.36, 13.83
CIE _{LCh}	89, 14.504, 107.492
Yxy	74.0504, 0.3320, 0.3596
Android (android.graphics.Color)	4293059013 (0xFFE2E1C5)
YUV	222.1070, -12.3778, 3.4142
Hunter-Lab	86.0525, -8.7767, 16.4764

Details

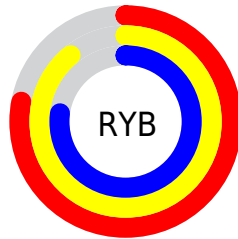
The XYZ color **68.3673, 74.0504, 63.5131** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **56.9474, 57.7484, 80.0973**, and the grayscale version is **69.5884, 73.2124, 79.7283**.

A 20% lighter version of the original color is **94.8894, 99.9358, 108.0543**, and **36.1272, 39.3905, 31.6856** is the 20% darker color. If you saturate the color by 10%, you get **65.7610, 72.6756, 50.8118**, and if you desaturate by 10%, it is **71.3668, 75.5890, 78.2627**.

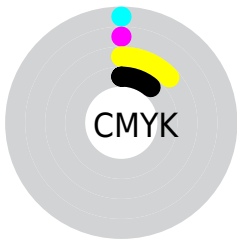
Distribution



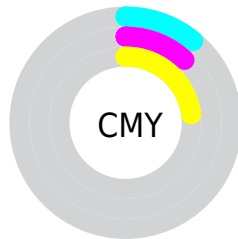
- Red (89%)
- Green (88%)
- Blue (77%)



- Red (78%)
- Yellow (89%)
- Blue (77%)



- Cyan (0%)
- Magenta (0%)
- Yellow (13%)
- Black (11%)



- Cyan (11%)
- Magenta (12%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.3673, 74.0504, 63.5131 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 68.3673, 74.0504, 63.5131 by changing the saturation by 10% instead.

68.3673, 74.0504,
63.5131

68.3673, 74.0504,
63.5131

444.1526,
474.6473, 455.5883

50.4714, 54.8353,
45.8128

115.9165,
124.9673, 111.5021

36.0074, 39.2699,
31.7505

146.3004,
157.4378, 142.6279

24.6101, 26.9697,
20.9078

181.5777,
195.0956, 179.0659

15.9140, 17.5505,
12.8660

222.1138,
238.3250, 221.2347

9.5537, 10.6278,
7.2067

268.2740,
287.5105, 269.5528

5.1641, 5.8171,
3.5113

320.4236,

2.3796, 2.7342,

343.0365, 324.4387

1.3613

378.9280,
405.2873, 386.3111

■ 0.8349, 0.9946,
0.1112

■ 0.0000, 0.0000,
0.0000

■ 68.3673, 74.0504,
63.5131

■ 68.3673, 74.0504,
63.5131

■ 65.7610, 72.6756,
50.8118

■ 71.3668, 75.5890,
78.2627

■ 63.5248, 71.4478,
40.0633


■ 74.7698, 77.2880,
95.1408


■ 61.6420, 70.3630,
31.1717


■ 76.9745, 78.5093,
105.7046


■ 60.0927, 69.4130,
24.0310


■ 77.1876, 78.9354,
105.7756


 58.8546, 68.5891,
18.5248


 77.4016, 79.3634,
105.8469

 57.9030, 67.8812,
14.5223


 77.6166, 79.7934,
105.9186


 57.2092, 67.2780,
11.8729

 77.8325, 80.2252,
105.9905

 56.7387, 66.7657,
10.3947

 78.0494, 80.6590,
106.0628

 56.4990, 66.4383,
9.8461

 78.2673, 81.0948,
106.1355

Harmonies

Analogous

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



71.8592, 74.0504, 63.1416



68.3673, 74.0504, 63.5131



65.5088, 74.0504, 68.2236

Triad

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



68.3673, 74.0504, 63.5131



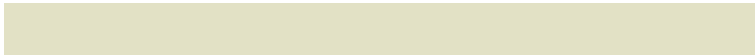
65.9064, 74.0504, 95.7832



77.2013, 74.0504, 84.9010

Complementary

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



68.3673, 74.0504, 63.5131



56.9474, 57.7484, 80.0973

Split Complementary

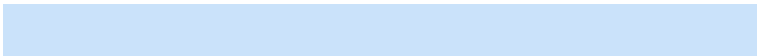
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.4925, 74.0504, 94.4522



68.3673, 74.0504, 63.5131



68.9265, 74.0504, 101.0777

Square

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



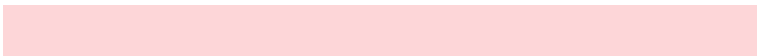
68.3673, 74.0504, 63.5131



64.1209, 74.0504, 86.5977



72.4373, 74.0504, 100.5712



77.0394, 74.0504, 74.9397

Rectangle

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



68.3673, 74.0504, 63.5131



64.3116, 74.0504, 73.4311



72.4373, 74.0504, 100.5712



76.8243, 74.0504, 88.2811

Sweetspot

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



68.3693, 74.0537, 63.5147



93.3393, 99.1372, 100.4421



61.5762, 60.2003, 62.0740



19.9117, 21.1855, 21.1691



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.



68.3693, 74.0537, 63.5147



89.0745, 96.9420, 79.4922



64.7013, 72.5634, 63.4204



14.8293, 15.9446, 14.6028



32.2512, 37.9403, 5.6234



2.2483, 2.6554, 0.3941

Inverse Universe

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



56.9474, 57.7484, 80.0973



71.6787, 72.1088, 104.7483



60.2872, 59.1335, 80.1886



12.9896, 13.3183, 17.2737



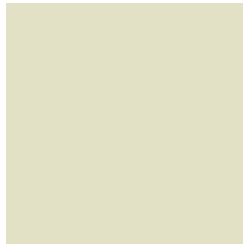
7.8971, 3.2637, 41.2621



0.5609, 0.2532, 2.8646

Previews

White Background



This preview shows how the XYZ color 68.3673, 74.0504, 63.5131 looks on a white background.

Color Contrast Check

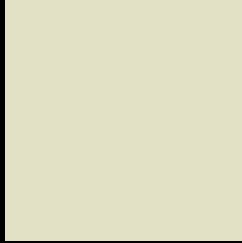
Large Text (above 18pt) WCAG AA × Fail

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 68.3673, 74.0504, 63.5131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

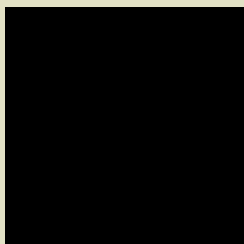
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

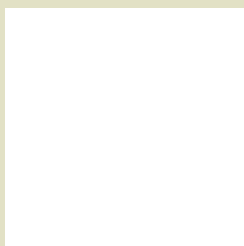
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.3673, 74.0504, 63.5131

Background



This preview shows how black text looks on a background with the XYZ color 68.3673, 74.0504, 63.5131.



This preview shows how white text looks on a background with the XYZ color 68.3673, 74.0504,

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

68.3673, 74.0504, 63.5131

Protanopia

70.2832, 74.2533, 62.8526

Deuteranopia

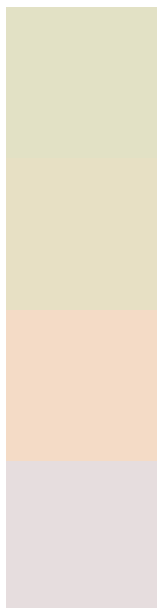
75.4823, 73.7952, 64.2984



Tritanopia

73.8963, 73.9333, 90.4966

Trichromacy



Original Color

68.3673, 74.0504, 63.5131

Protanomaly

69.5745, 74.2858, 62.8962

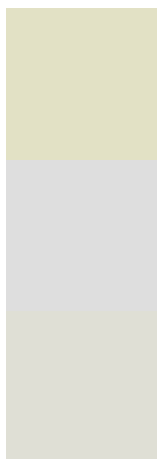
Deuteranomaly

72.8328, 73.9733, 63.8657

Tritanomaly

71.6744, 73.8098, 79.5763

Monochromacy



Original Color

68.3673, 74.0504, 63.5131

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.8293, 73.2674, 73.4651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3673, 74.0504, 63.5131 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(226, 225, 197)` looks like.

```
.text, #text, p{  
    color:rgb(226, 225, 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(226, 225, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 225, 197) }
```

Border

The CSS property to change the border of an element to XYZ 68.3673, 74.0504, 63.5131 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(226, 225, 197) }
```


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

```
.border{ border-color:rgb(226, 225, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 225, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 225, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 225, 197);  
box-shadow:4px 4px 4px 4px rgb(226, 225,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3673, 74.0504, 63.5131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 225, 197) }
```

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

```
.background{ background-color: rgb(226,  
225, 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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