

Converting Colors

XYZ(63.4037, 73.4189, 68.5871)

Have a look what the booklet for
XYZ(63.4037, 73.4189, 68.5871)
contains.

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Color

**XYZ(63.4037, 73.4189,
68.5871)**

Conversions

Conversions Part 1

Format	Color
Hex	C9E6CD
RGB	201, 230, 205
RGB Percent	79%, 90%, 80%
CMY	0.2118, 0.0980, 0.1961
CMYK	0.13, 0.00, 0.11, 0.10
HSL	128°, 37%, 85%
HSV	128°, 13%, 90%
XYZ	63.4037, 73.4189, 68.5871
YIQ	218.4790, -9.2590, -13.9230

Conversions

Conversions Part 2

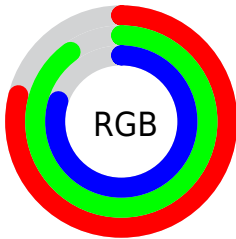
Format	Color
RYB	201, 226, 230
Decimal	13231821
CIELab	88.65, -14.19, 8.98
CIElCh	89, 16.789, 147.660
Yxy	73.4189, 0.3087, 0.3574
Android (android.graphics.Color)	4291421901 (0xFFC9E6CD)
YUV	218.4790, -6.6451, -15.3291
Hunter-Lab	85.6848, -17.8649, 12.5202

Details

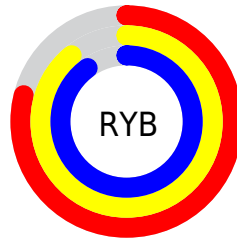
The XYZ color **63.4037, 73.4189, 68.5871** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.2499, 64.0892, 80.7811**, and the grayscale version is **67.0220, 70.5124, 76.7880**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.7546, 38.7095, 35.0235** is the 20% darker color. If you saturate the color by 10%, you get **55.4339, 69.5716, 56.5019**, and if you desaturate by 10%, it is **72.6068, 77.8710, 82.3165**.

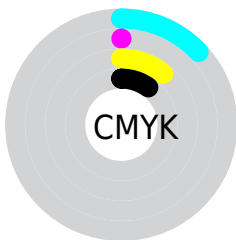
Distribution



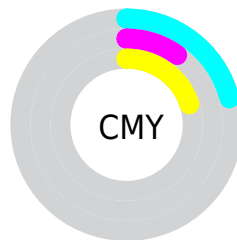
- Red (79%)
- Green (90%)
- Blue (80%)



- Red (79%)
- Yellow (89%)
- Blue (90%)



- Cyan (13%)
- Magenta (0%)
- Yellow (11%)
- Black (10%)



- Cyan (21%)
- Magenta (10%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.4037, 73.4189, 68.5871 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 63.4037, 73.4189, 68.5871 by changing the saturation by 10% instead.

■ 63.4037, 73.4189,
68.5871

■ 63.4037, 73.4189,
68.5871

426.6695,
472.4654, 474.2278

■ 46.4277, 54.3186,
49.9058

108.8303,
124.0717, 118.8538

■ 32.7895, 38.8564,
34.9679

138.0116,
156.3930, 151.2763

■ 22.1237, 26.6480,
23.3548

171.9921,
193.8900, 189.1163

■ 14.0650, 17.3091,
14.6480

211.1371,
236.9472, 232.7924

■ 8.2479, 10.4551,
8.4288

255.8120,
285.9489, 282.7230

■ 4.3071, 5.7017,
4.2789

306.3821,

■ 1.8773, 2.6646,

341.2796, 339.3267

1.7795

363.2129,
403.3236, 403.0222

■ 0.5636, 0.9592,
0.4144

■ 0.0000, 0.0000,
0.0000

■ 63.4037, 73.4189,
68.5871

■ 63.4037, 73.4189,
68.5871

■ 55.4339, 69.5716,
56.5019

■ 72.6068, 77.8710,
82.3165

■ 48.6389, 66.2942,
45.9947

■ 83.0863, 82.9428,
97.7436

■ 42.9647, 63.5623,
37.0016

■ 87.5882, 85.0764,
106.4127

■ 38.3506, 61.3459,
29.4530

■ 34.7301, 59.6125,
23.2733

■ 32.0290, 58.3255,
18.3806

■ 30.1626, 57.4432,
14.6836

■ 29.0299, 56.9158,
12.0795

■ 28.5551, 56.6992,
10.7857

Harmonies

Analogous

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



66.2272, 73.4189, 61.7589



63.4037, 73.4189, 68.5871



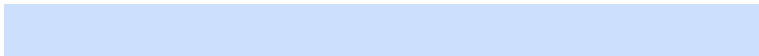
62.2826, 73.4189, 79.0331

Triad

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



63.4037, 73.4189, 68.5871



69.4648, 73.4189, 104.3761



76.9143, 73.4189, 70.0218

Complementary

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



63.4037, 73.4189, 68.5871



67.2499, 64.0892, 80.7811

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.



77.8614, 73.4189, 80.8553



63.4037, 73.4189, 68.5871



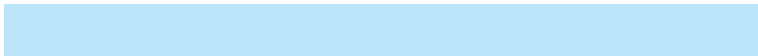
73.4627, 73.4189, 101.3807

Square

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



63.4037, 73.4189, 68.5871



65.6965, 73.4189, 100.3170



76.5753, 73.4189, 92.4828



74.0344, 73.4189, 62.5292

Rectangle

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



63.4037, 73.4189, 68.5871



62.6176, 73.4189, 86.9038



76.5753, 73.4189, 92.4828



77.4740, 73.4189, 73.3598

Sweetspot

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



63.4057, 73.4220, 68.5887



90.0128, 97.5630, 101.4426



70.2483, 77.0046, 66.4203



19.0699, 20.7875, 21.4210



0.0000, 0.0000, 0.0000



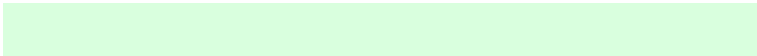
20.3446, 21.4041, 23.3091

Same Dimension

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



63.4057, 73.4220, 68.5887



77.4892, 91.5087, 82.7038



65.2211, 74.1482, 78.1483



14.2699, 16.1214, 15.6859



16.1914, 32.1087, 6.2424



1.2224, 2.3831, 0.5975

Inverse Universe

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



67.2499, 64.0892, 80.7811



83.2006, 77.6418, 100.8176



65.3596, 63.3330, 70.8267



14.9051, 14.5792, 17.7007



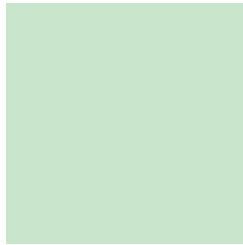
24.2980, 11.8534, 31.5278



1.8192, 0.8854, 2.4546

Previews

White Background



This preview shows how the XYZ color 63.4037, 73.4189, 68.5871 looks on a white background.

Color Contrast Check

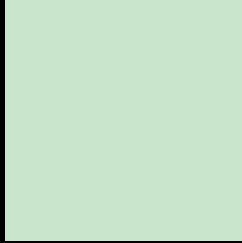
Large Text (above 18pt) WCAG AA × Fail

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 63.4037, 73.4189, 68.5871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

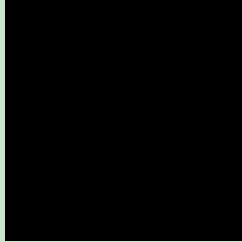
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

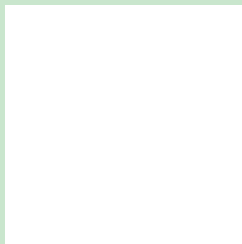
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.4037, 73.4189, 68.5871

Background



This preview shows how black text looks on a background with the XYZ color 63.4037, 73.4189, 68.5871.

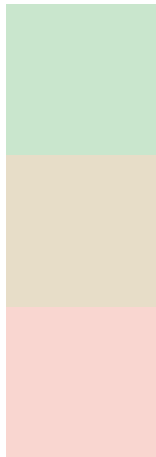


This preview shows how white text looks on a background with the XYZ color 63.4037, 73.4189,

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

63.4037, 73.4189, 68.5871

Protanopia

69.2368, 72.8720, 65.0601

Deuteranopia

74.4987, 72.7869, 69.7973



Tritanopia

68.6844, 73.5266, 94.5764

Trichromacy



Original Color

63.4037, 73.4189, 68.5871

Protanomaly

66.8315, 72.7912, 66.4048

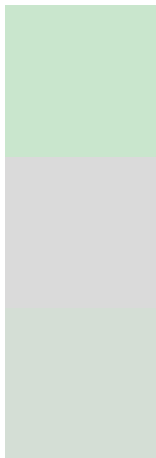
Deuteranomaly

70.1344, 72.8472, 69.3959

Tritanomaly

66.7888, 73.5744, 84.8099

Monochromacy



Original Color

63.4037, 73.4189, 68.5871

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.2829, 71.0437, 73.2228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4037, 73.4189, 68.5871 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(201, 230, 205)` looks like.

```
.text, #text, p{  
    color:rgb(201, 230, 205)  
}
```

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(201, 230, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 230, 205) }
```

Border

The CSS property to change the border of an element to XYZ 63.4037, 73.4189, 68.5871 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(201, 230, 205) }
```


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

```
.border{ border-color:rgb(201, 230, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 230, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 230, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 230, 205);  
box-shadow:4px 4px 4px 4px rgb(201, 230,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4037, 73.4189, 68.5871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 230, 205) }
```

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

```
.background{ background-color: rgb(201,  
230, 205) }
```

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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