

# Converting Colors

XYZ(59.9621, 70.9470, 43.2733)

Have a look what the booklet for  
XYZ(59.9621, 70.9470, 43.2733)  
contains.

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# Color

**XYZ(60.0216, 70.9967,  
43.3411)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | D1E39F                      |
| RGB         | 209, 227, 159               |
| RGB Percent | 82%, 89%, 62%               |
| CMY         | 0.1804, 0.1098, 0.3765      |
| CMYK        | 0.08, 0.00, 0.30, 0.11      |
| HSL         | 76°, 55%, 76%               |
| HSV         | 76°, 30%, 89%               |
| XYZ         | 60.0216, 70.9967, 43.3411   |
| YIQ         | 213.8660, 11.1000, -24.9640 |

# Conversions

## Conversions Part 2

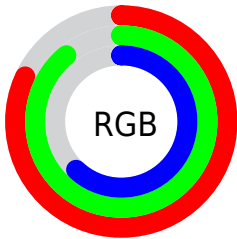
| Format                              | Color   |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">159, 227, 177</a>                   |
| Decimal                             | <a href="#">13755295</a>                        |
| CIELab                              | <a href="#">87.48, -17.08, 31.30</a>            |
| CIELCh                              | <a href="#">87, 35.655, 118.622</a>             |
| Yxy                                 | <a href="#">70.9967, 0.3442,<br/>0.4072</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4291945375<br/>(0xFFD1E39F)</a>     |
| YUV                                 | <a href="#">213.8660, -27.0489,<br/>-4.2675</a> |
| Hunter-Lab                          | <a href="#">84.2595, -20.3012,<br/>28.4843</a>  |

# Details

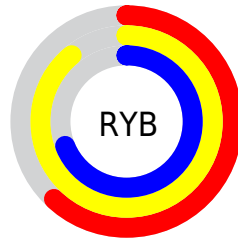
The XYZ color **60.0216, 70.9967, 43.3411** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **44.3975, 39.6913, 77.9982**, and the grayscale version is **63.9989, 67.3318, 73.3244**.

A 20% lighter version of the original color is **89.1376, 97.6350, 77.7657**, and **30.7328, 37.4366, 19.5161** is the 20% darker color. If you saturate the color by 10%, you get **56.5619, 69.4225, 33.8238**, and if you desaturate by 10%, it is **63.9109, 72.7550, 54.7697**.

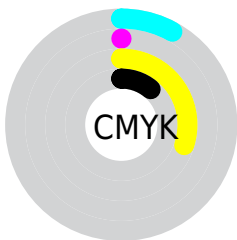
# Distribution



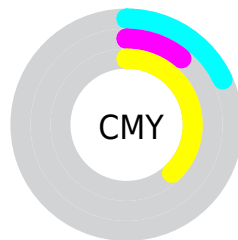
- Red (82%)
- Green (89%)
- Blue (62%)



- Red (62%)
- Yellow (89%)
- Blue (69%)



- Cyan (8%)
- Magenta (0%)
- Yellow (30%)
- Black (11%)



- Cyan (18%)
- Magenta (11%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.0216, 70.9967, 43.3411 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 60.0216, 70.9967, 43.3411 by changing the saturation by 10% instead.



60.0216, 70.9967,  
43.3411

60.0216, 70.9967,  
43.3411

414.5108,  
464.0419, 375.9750

43.6856, 52.3395,  
29.8195

103.9672,  
120.6290, 81.5172

30.6202, 37.2758,  
19.4507

132.3074,  
152.3729, 107.0088

20.4603, 25.4211,  
11.8163

165.3798,  
189.2479, 137.3274

12.8402, 16.3910,  
6.4977

203.5496,  
231.6383, 172.8915

7.3949, 9.8013,  
3.0764

247.1823,  
279.9285, 214.1199

3.7588, 5.2674,  
1.1338

296.6432,

1.5666, 2.4050,

334.5029, 261.4309

0.0000

352.2976,  
395.7459, 315.2431

0.3705, 0.8285,  
0.0000

0.0000, 0.0000,  
0.0000

60.0216, 70.9967,  
43.3411

60.0216, 70.9967,  
43.3411

56.5619, 69.4225,  
33.8238

63.9109, 72.7550,  
54.7697

53.5058, 68.0146,  
26.1089


68.2434, 74.6957,  
68.2015

50.8328, 66.7672,  
20.0832


73.0386, 76.8290,  
83.7281


48.5178, 65.6702,  
15.6193


78.3132, 79.1617,  
101.4339


 46.5325, 64.7121,  
12.5715


 81.1348, 80.5210,  
105.8736


 44.8432, 63.8795,  
10.7666

 83.1986, 81.5849,  
105.9702

 43.3923, 63.1490,  
9.9048

 85.3306, 82.6840,  
106.0699

 43.3862, 63.1460,  
9.9017

 86.7606, 83.4212,  
106.1369

# Harmonies

## Analogous

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



67.8702, 70.9967, 39.6119



60.0216, 70.9967, 43.3411



54.5861, 70.9967, 55.5963

# Triad

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



60.0216, 70.9967, 43.3411



59.4003, 70.9967, 124.0043



84.9849, 70.9967, 78.4234

# Complementary

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



60.0216, 70.9967, 43.3411



44.3975, 39.6913, 77.9982

# Split Complementary

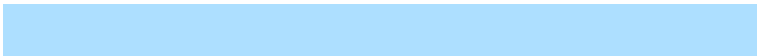
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.2600, 70.9967, 104.0321



60.0216, 70.9967, 43.3411



67.0918, 70.9967, 133.5068

# Square

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



60.0216, 70.9967, 43.3411



54.2489, 70.9967, 101.6965



75.5325, 70.9967, 125.5380



82.7049, 70.9967, 57.1605



# Rectangle

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



60.0216, 70.9967, 43.3411



52.8268, 70.9967, 68.5160



75.5325, 70.9967, 125.5380



84.6200, 70.9967, 86.8116

# Sweetspot

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



60.0234, 70.9998, 43.3426



89.3723, 97.4747, 90.4853



53.4644, 49.8869, 39.6131



18.9429, 20.7804, 18.7760



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

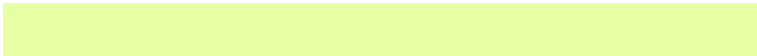


# Same Dimension

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



60.0234, 70.9998, 43.3426



75.2452, 91.1096, 48.3644



51.6340, 66.6749, 42.9500



15.2098, 16.6152, 15.3099



25.4172, 36.8845, 5.7798



1.9647, 2.7702, 0.4312



# Inverse Universe

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



44.3975, 39.6913, 77.9982



51.8002, 44.1141, 100.3925



52.8441, 44.0457, 78.3935



13.9389, 14.0707, 18.1256



9.2705, 3.8450, 42.6367

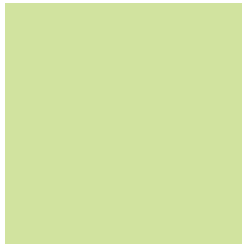


0.7710, 0.3285, 3.1547



# Previews

## White Background



This preview shows how the XYZ color 60.0216, 70.9967, 43.3411 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

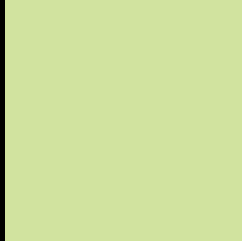
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.0216, 70.9967, 43.3411 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

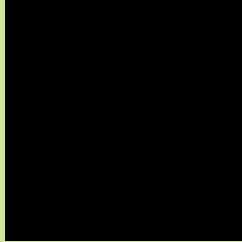
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 60.0216, 70.9967, 43.3411

## Background



This preview shows how black text looks on a background with the XYZ color 60.0216, 70.9967, 43.3411.



This preview shows how white text looks on a background with the XYZ color 60.0216, 70.9967,



# 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

60.0216, 70.9967, 43.3411

### Protanopia

65.8400, 70.8625, 41.2180

### Deuteranopia

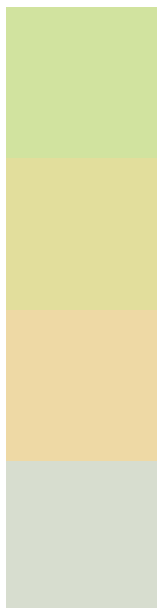
71.6957, 70.7131, 47.4063



## Tritanopia

69.0217, 70.6839, 88.6028

# Trichromacy



## Original Color

60.0216, 70.9967, 43.3411

## Protanomaly

63.4861, 70.8116, 41.7744

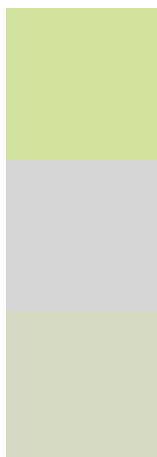
## Deuteranomaly

66.8643, 70.5195, 45.6848

## Tritanomaly

65.1433, 70.6650, 69.2378

# Monochromacy



## Original Color

60.0216, 70.9967, 43.3411

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

62.2205, 68.5551, 60.9920

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.0216, 70.9967, 43.3411 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(209, 227, 159)` looks like.

```
.text, #text, p{  
    color:rgb(209, 227, 159)  
}
```

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(209, 227, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 227, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 60.0216, 70.9967, 43.3411 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(209, 227, 159) }
```



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

```
.border{ border-color:rgb(209, 227, 159) }
```

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

Here you see how a box with a 4 pixel rgb(209, 227, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 227, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 227, 159);  
box-shadow:4px 4px 4px 4px rgb(209, 227,  
159) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.0216, 70.9967, 43.3411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 227, 159) }
```

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

```
.background{ background-color: rgb(209,  
227, 159) }
```

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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