

Converting Colors

XYZ(59.7309, 71.6636, 43.4852)

Have a look what the booklet for
XYZ(59.7309, 71.6636, 43.4852)
contains.

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Color

**XYZ(59.7309, 71.6636,
43.4852)**

Conversions

Conversions Part 1

Format	Color
Hex	CEE59F
RGB	206, 229, 159
RGB Percent	81%, 90%, 62%
CMY	0.1922, 0.1019, 0.3765
CMYK	0.10, 0.00, 0.31, 0.10
HSL	80°, 57%, 76%
HSV	80°, 31%, 90%
XYZ	59.7309, 71.6636, 43.4852
YIQ	214.1430, 8.7620, -26.6460

Conversions

Conversions Part 2

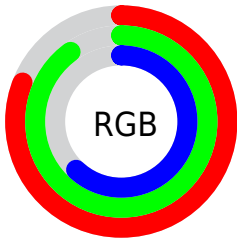
Format	Color
RYB	159, 229, 182
Decimal	13559199
CIELab	87.81, -19.17, 31.69
CIELCh	88, 37.037, 121.163
Yxy	71.6636, 0.3416, 0.4098
Android (android.graphics.Color)	4291749279 (0xFFCEE59F)
YUV	214.1430, -27.1855, -7.1414
Hunter-Lab	84.6544, -22.1981, 28.8020

Details

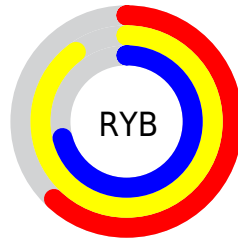
The XYZ color **59.7309, 71.6636, 43.4852** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **45.8352, 40.4005, 79.5150**, and the grayscale version is **64.1875, 67.5303, 73.5405**.

A 20% lighter version of the original color is **89.1376, 97.6350, 77.7657**, and **30.5524, 37.9129, 19.6176** is the 20% darker color. If you saturate the color by 10%, you get **55.8860, 69.8924, 33.8756**, and if you desaturate by 10%, it is **64.0477, 73.6399, 55.0416**.

Distribution



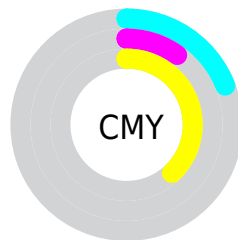
- Red (81%)
- Green (90%)
- Blue (62%)



- Red (62%)
- Yellow (90%)
- Blue (71%)



- Cyan (10%)
- Magenta (0%)
- Yellow (31%)
- Black (10%)





- Cyan (19%)
- Magenta (10%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.7309, 71.6636, 43.4852 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 59.7309, 71.6636, 43.4852 by changing the saturation by 10% instead.


 59.7309, 71.6636,
43.4852


 59.7309, 71.6636,
43.4852


413.4558,
466.3699, 376.5830

 43.4504, 52.8839,
29.9318


 103.5478,
121.5781, 81.7367

 30.4347, 37.7101,
19.5352


 131.8149,
153.4818, 107.2719

 20.3185, 25.7578,
11.8769


164.8082,
190.5289, 137.6381

 12.7364, 16.6425,
6.5384

202.8931,
233.1038, 173.2539

 7.3230, 9.9799,
3.1011

246.4350,
281.5910, 214.5377

 3.7130, 5.3857,
1.1465


295.7991,

 1.5411, 2.4753,


336.3748, 261.9081


0.0000


351.3510,
397.8396, 315.7837


 0.3535, 0.8642,
0.0000


 0.0000, 0.0000,
0.0000


 59.7309, 71.6636,
43.4852


 59.7309, 71.6636,
43.4852


 55.8860, 69.8924,
33.8756


 64.0477, 73.6399,
55.0416


 52.4858, 68.3081,
26.1007

 68.8511, 75.8202,
68.6391

 49.5084, 66.9042,
20.0445

 74.1618, 78.2152,
84.3717

 46.9273, 65.6698,
15.5756

 79.9975, 80.8323,
102.3261

■ 44.7126, 64.5929,
12.5435

■ 83.2505, 82.4284,
106.1302

■ 42.8287, 63.6591,
10.7691

■ 85.9103, 83.7996,
106.2547

■ 41.2993, 62.8869,
9.9617

■ 87.3108, 84.5216,
106.3203

Harmonies

Analogous

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



67.7713, 71.6636, 38.9273



59.7309, 71.6636, 43.4852



54.3457, 71.6636, 56.9199

Triad

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



59.7309, 71.6636, 43.4852



60.2775, 71.6636, 128.6209



86.4630, 71.6636, 77.0502

Complementary

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



59.7309, 71.6636, 43.4852



45.8352, 40.4005, 79.5150

Split Complementary

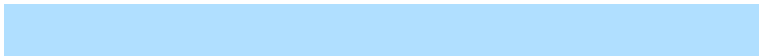
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.0313, 71.6636, 103.8029



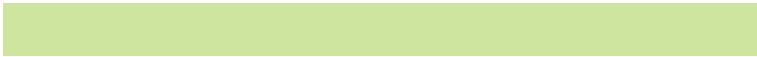
59.7309, 71.6636, 43.4852



68.4581, 71.6636, 137.1717

Square

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



59.7309, 71.6636, 43.4852



54.6416, 71.6636, 105.8769



77.2471, 71.6636, 127.2535



83.6369, 71.6636, 55.5507

Rectangle

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



59.7309, 71.6636, 43.4852



52.7304, 71.6636, 70.8220



77.2471, 71.6636, 127.2535



86.2319, 71.6636, 85.7100

Sweetspot

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



59.7327, 71.6668, 43.4867



88.8521, 97.2066, 90.4609



55.1315, 52.2791, 39.9870



18.8144, 20.7141, 18.7700



0.0000, 0.0000, 0.0000



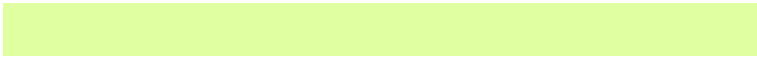
20.3446, 21.4041, 23.3091

Same Dimension

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



59.7327, 71.6668, 43.4867



72.9008, 89.9272, 47.0720



51.2563, 67.2970, 43.0900



15.1172, 16.5675, 15.3055



23.7436, 36.0218, 5.7015



1.8515, 2.7118, 0.4259

Inverse Universe

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



45.8352, 40.4005, 79.5150



52.3850, 43.7492, 100.2912



54.9117, 45.0796, 79.9397



14.0267, 14.1160, 18.1297



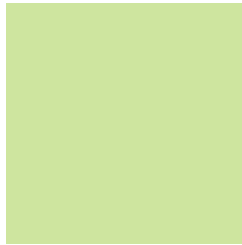
9.8697, 4.1539, 42.6648



0.8244, 0.3560, 3.1572

Previews

White Background



This preview shows how the XYZ color 59.7309, 71.6636, 43.4852 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 59.7309, 71.6636, 43.4852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

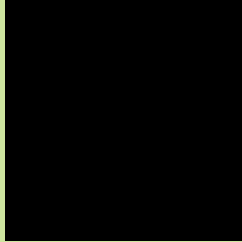
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

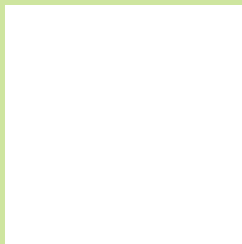
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.7309, 71.6636, 43.4852

Background



This preview shows how black text looks on a background with the XYZ color 59.7309, 71.6636, 43.4852.

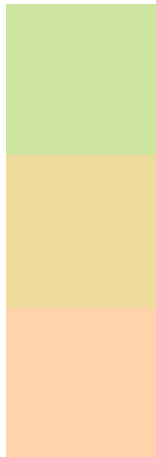


This preview shows how white text looks on a background with the XYZ color 59.7309, 71.6636,

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

59.7309, 71.6636, 43.4852

Protanopia

66.4346, 71.5575, 41.3208

Deuteranopia

72.1342, 71.2872, 48.4860



Tritanopia

69.0871, 71.4709, 89.5109

Trichromacy



Original Color

59.7309, 71.6636, 43.4852

Protanomaly

63.7525, 71.3444, 41.8632

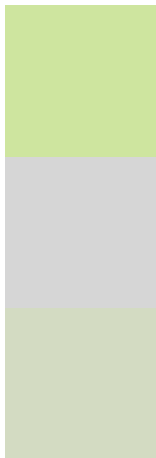
Deuteranomaly

66.9715, 70.9374, 46.7217

Tritanomaly

65.2134, 71.4756, 70.0336

Monochromacy



Original Color

59.7309, 71.6636, 43.4852

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

61.9331, 68.4070, 60.9786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.7309, 71.6636, 43.4852 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(206, 229, 159)` looks like.

```
.text, #text, p{  
    color:rgb(206, 229, 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(206, 229, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 229, 159) }
```

Border

The CSS property to change the border of an element to XYZ 59.7309, 71.6636, 43.4852 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(206, 229, 159) }
```


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

```
.border{ border-color:rgb(206, 229, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 229, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 229, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 229, 159);  
box-shadow:4px 4px 4px 4px rgb(206, 229,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 59.7309, 71.6636, 43.4852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 229, 159) }
```

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

```
.background{ background-color: rgb(206,  
229, 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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