

# Converting Colors

XYZ(59.4942, 68.4418, 42.1744)

Have a look what the booklet for  
XYZ(59.4942, 68.4418, 42.1744)  
contains.

<b>XYZ(59.3828, 68.2934, 41.9504)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(59.3828, 68.2934,  
41.9504)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5DD9D
RGB	213, 221, 157
RGB Percent	84%, 87%, 62%
CMY	0.1647, 0.1333, 0.3843
CMYK	0.04, 0.00, 0.29, 0.13
HSL	68°, 48%, 74%
HSV	68°, 29%, 87%
XYZ	59.3828, 68.2934, 41.9504
YIQ	211.3120, 15.7760, -21.6000

# Conversions

## Conversions Part 2

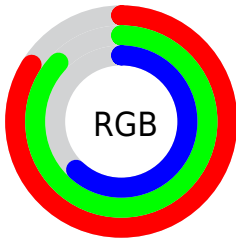
<b>Format</b>	<b>Color</b>
<b>RYB</b>	157, 221, 165
Decimal	14015901
CIELab	86.15, -12.87, 30.59
CIELCh	86, 33.192, 112.818
Yxy	68.2934, 0.3501, 0.4026
Android (android.graphics.Color)	4292205981 (0xFFD5DD9D)
YUV	211.3120, -26.7758, 1.4804
Hunter-Lab	82.6398, -16.3543, 27.7505

# Details

The XYZ color **59.3828, 68.2934, 41.9504** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.6279, 37.3356, 73.4757**, and the grayscale version is **62.2890, 65.5328, 71.3652**.

A 20% lighter version of the original color is **88.8837, 97.5335, 76.4285**, and **30.2866, 35.5615, 18.6324** is the 20% darker color. If you saturate the color by 10%, you get **56.8697, 67.1987, 32.8586**, and if you desaturate by 10%, it is **62.2544, 69.5378, 52.8433**.

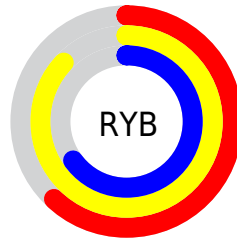
# Distribution



Red (84%)

Green (87%)

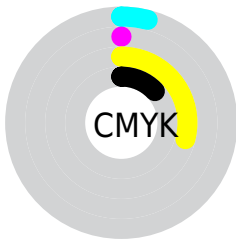
Blue (62%)



Red (62%)

Yellow (87%)

Blue (65%)

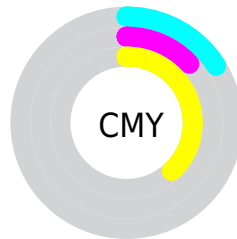


Cyan (4%)

Magenta (0%)

Yellow (29%)

Black (13%)



Cyan (16%)

Magenta (13%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.3828, 68.2934, 41.9504 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 59.3828, 68.2934, 41.9504 by changing the saturation by 10% instead.




 59.3828, 68.2934,  
41.9504


 59.3828, 68.2934,  
41.9504


412.1903,  
454.5348, 370.0709

 43.1689, 50.1365,  
28.7372


 103.0453,  
116.7718, 79.3938

 30.2128, 35.5218,  
18.6382

 131.2246,  
147.8620, 104.4611

 20.1490, 24.0651,  
11.2350

164.1230,  
184.0321, 134.3168

 12.6123, 15.3819,  
6.1090

202.1060,  
225.6665, 169.3795

 7.2373, 9.0879,  
2.8416

245.5389,  
273.1496, 210.0677

 3.6586, 4.7985,  
1.0143

294.7870,

 1.5109, 2.1296,

326.8658, 256.8000

0.0000

350.2157,  
387.1994, 309.9949

■ 0.3332, 0.6812,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.3828, 68.2934,  
41.9504

■ 59.3828, 68.2934,  
41.9504

■ 56.8697, 67.1987,  
32.8586

■ 62.2544, 69.5378,  
52.8433

■ 54.6914, 66.2371,  
25.4666

■ 65.4963, 70.9296,  
65.6225

■ 52.8295, 65.4036,  
19.6696

■ 69.1264, 72.4782,  
80.3733

■ 51.2614, 64.6892,  
15.3498

■ 73.1595, 74.1897,  
97.1743

■ 49.9616, 64.0837,  
12.3728

■ 75.5303, 75.2378,  
105.1492

■ 48.8998, 63.5749,  
10.5799

■ 76.4084, 75.6905,  
105.1903

■ 48.0289, 63.1440,  
9.7226

■ 77.3005, 76.1504,  
105.2321

■ 47.9428, 63.1010,  
9.6529

■ 78.2068, 76.6176,  
105.2745

■ 79.1273, 77.0921,  
105.3176

# Harmonies

## Analogous

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



66.7634, 68.2934, 39.9616



59.3828, 68.2934, 41.9504



53.9037, 68.2934, 51.7362

# Triad

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



59.3828, 68.2934, 41.9504



56.4373, 68.2934, 113.1360



80.5917, 68.2934, 79.7408

# Complementary

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



59.3828, 68.2934, 41.9504



40.6279, 37.3356, 73.4757

# Split Complementary

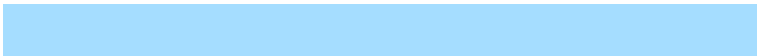
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.3229, 68.2934, 102.7712



59.3828, 68.2934, 41.9504



63.0928, 68.2934, 124.3567

# Square

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



59.3828, 68.2934, 41.9504



52.2984, 68.2934, 91.8843



70.7717, 68.2934, 120.2324



79.4036, 68.2934, 59.2186



# Rectangle

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



59.3828, 68.2934, 41.9504



51.8721, 68.2934, 62.6192



70.7717, 68.2934, 120.2324



79.9696, 68.2934, 87.4835

# Sweetspot

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



59.3845, 68.2964, 41.9518



90.5244, 98.0687, 90.5392



49.2661, 44.5266, 37.8971



19.2283, 20.9275, 18.7893



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.



59.3845, 68.2964, 41.9518



79.8716, 93.4679, 49.7877



51.1261, 64.0391, 41.5654



13.9936, 15.1770, 13.9175



27.9153, 36.6883, 5.6103



1.8544, 2.4005, 0.3656



# Inverse Universe

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



40.6279, 37.3356, 73.4757



49.7525, 43.7386, 100.4279



47.9969, 41.1344, 73.8206



12.4893, 12.6948, 16.4442



7.9057, 3.1997, 39.9393

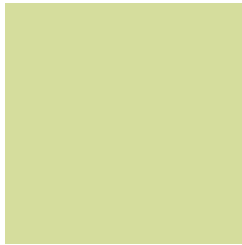


0.5630, 0.2335, 2.5898



# Previews

## White Background



This preview shows how the XYZ color 59.3828, 68.2934, 41.9504 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

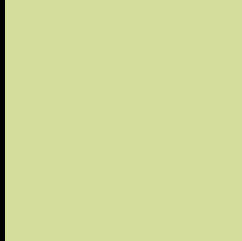
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.3828, 68.2934, 41.9504 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

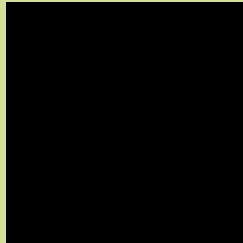
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

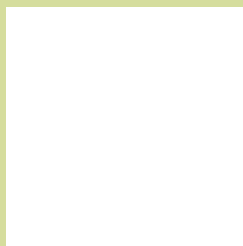
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 59.3828, 68.2934, 41.9504**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.3828, 68.2934, 41.9504.



This preview shows how white text looks on a background with the XYZ color 59.3828, 68.2934,



# 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

59.3828, 68.2934, 41.9504

### Protanopia

63.4119, 68.0898, 40.3723

### Deuteranopia

69.2895, 67.7515, 42.6831



## Tritanopia

67.6713, 68.2180, 82.9995

# Trichromacy



## Original Color

59.3828, 68.2934, 41.9504

## Protanomaly

61.7806, 67.9998, 40.8794

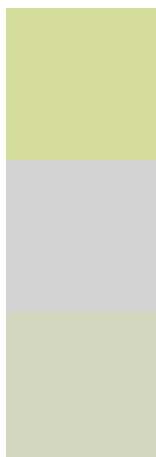
## Deuteranomaly

65.1489, 67.4425, 42.3849

## Tritanomaly

64.1745, 67.9252, 65.6056

# Monochromacy



## Original Color

59.3828, 68.2934, 41.9504

## Achromatopsia

61.9161, 65.1406, 70.9381

## Achromatomaly

60.8558, 66.3595, 58.8914

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.3828, 68.2934, 41.9504 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(213, 221, 157)` looks like.

```
.text, #text, p{  
    color:rgb(213, 221, 157)  
}
```

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(213, 221, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 221, 157) }
```

## Border

The CSS property to change the border of an element to XYZ 59.3828, 68.2934, 41.9504 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(213, 221, 157) }
```



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

```
.border{ border-color:rgb(213, 221, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 221, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 221, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 221, 157);  
box-shadow:4px 4px 4px 4px rgb(213, 221,  
157) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.3828, 68.2934, 41.9504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 221, 157) }
```

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

```
.background{ background-color: rgb(213,  
221, 157) }
```

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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