

# Converting Colors

XYZ(59.7267, 64.8091, 41.6571)

Have a look what the booklet for  
XYZ(59.7267, 64.8091, 41.6571)  
contains.

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# Color

**XYZ(59.5900, 64.5867,  
41.6735)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DED39E
RGB	222, 211, 158
RGB Percent	87%, 83%, 62%
CMY	0.1294, 0.1725, 0.3804
CMYK	0.00, 0.05, 0.29, 0.13
HSL	50°, 49%, 75%
HSV	50°, 29%, 87%
XYZ	59.5900, 64.5867, 41.6735
YIQ	208.2470, 23.5690, -14.1510

# Conversions

## Conversions Part 2

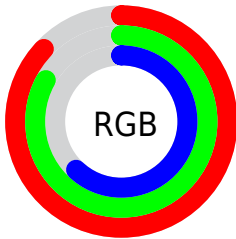
<b>Format</b>	<b>Color</b>
<b>RYB</b>	171, 222, 158
Decimal	14603166
CIELab	84.27, -4.26, 27.67
CIElCh	84, 27.996, 98.754
Yxy	64.5867, 0.3593, 0.3894
Android (android.graphics.Color)	4292793246 (0xFFDED39E)
YUV	208.2470, -24.7718, 12.0614
Hunter-Lab	80.3659, -8.2853, 25.5114

# Details

The XYZ color **59.5900, 64.5867, 41.6735** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.4731, 40.9179, 74.8195**, and the grayscale version is **60.2608, 63.3991, 69.0416**.

A 20% lighter version of the original color is **89.0102, 97.5841, 77.0951**, and **30.3844, 33.2615, 18.4544** is the 20% darker color. If you saturate the color by 10%, you get **56.9134, 62.0202, 32.1902**, and if you desaturate by 10%, it is **62.6376, 67.3421, 52.9849**.

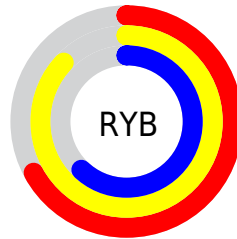
# Distribution



Red (87%)

Green (83%)

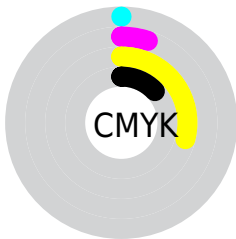
Blue (62%)



Red (67%)

Yellow (87%)

Blue (62%)

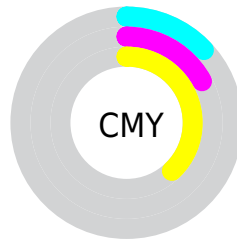


Cyan (0%)

Magenta (5%)

Yellow (29%)

Black (13%)



Cyan (13%)

Magenta (17%)

Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.5900, 64.5867, 41.6735 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 59.5900, 64.5867, 41.6735 by changing the saturation by 10% instead.



■ 59.5900, 64.5867,  
41.6735

■ 59.5900, 64.5867,  
41.6735

412.9439,  
441.3053, 368.8873

■ 43.3364, 47.1260,  
28.5221

■ 103.3444,  
111.4555, 78.9700

■ 30.3448, 33.1353,  
18.4771

■ 131.5760,  
141.6323, 103.9521

■ 20.2499, 22.2301,  
11.1201

164.5309,  
176.8167, 133.7149

■ 12.6861, 14.0261,  
6.0325

202.5746,  
217.3930, 168.6768

■ 7.2883, 8.1388,  
2.7957

246.0724,  
263.7456, 209.2565

■ 3.6910, 4.1839,  
0.9913

295.3896,

■ 1.5288, 1.7770,

316.2589, 255.8725

0.0000

350.8917,  
375.3174, 308.9432

■ 0.3453, 0.4727,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.5900, 64.5867,  
41.6735

■ 59.5900, 64.5867,  
41.6735

■ 56.9134, 62.0202,  
32.1902

■ 62.6376, 67.3421,  
52.9849

■ 54.5842, 59.6260,  
24.4331

■ 66.0686, 70.2849,  
66.2111

■ 52.5834, 57.3988,  
18.2963

■ 69.9009, 73.4246,  
81.4380

■ 50.8883, 55.3290,  
13.6606

■ 74.1497, 76.7677,  
98.7451

■ 49.4730, 53.4061,  
10.3904

■ 76.4920, 79.3850,  
105.8990

■ 48.3070, 51.6177,  
8.3257

■ 77.5655, 81.5320,  
106.2569

■ 47.3431, 49.9446,  
7.2197

■ 78.6624, 83.7258,  
106.6225

■ 47.2360, 49.7530,  
7.1137

■ 79.7827, 85.9666,  
106.9959

■ 80.9268, 88.2547,  
107.3773

# Harmonies

## Analogous

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



65.8128, 64.5867, 43.0457



59.5900, 64.5867, 41.6735



54.2190, 64.5867, 46.9041

# Triad

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



59.5900, 64.5867, 41.6735



52.5468, 64.5867, 93.9514



73.1910, 64.5867, 83.4449

# Complementary

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



59.5900, 64.5867, 41.6735



41.4731, 40.9179, 74.8195

# 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.



69.1621, 64.5867, 100.4730



59.5900, 64.5867, 41.6735



57.1656, 64.5867, 107.2143

# Square

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



59.5900, 64.5867, 41.6735



50.3361, 64.5867, 75.6528



63.2212, 64.5867, 109.7832



73.9489, 64.5867, 65.2514



# Rectangle

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



59.5900, 64.5867, 41.6735



51.7432, 64.5867, 54.0493



63.2212, 64.5867, 109.7832



72.1619, 64.5867, 89.5758

# Sweetspot

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



59.5917, 64.5896, 41.6749



90.3277, 96.1192, 90.1733



49.5821, 42.8763, 43.5616



19.1796, 20.4437, 18.6985



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

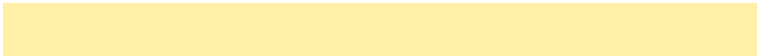


# Same Dimension

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



59.5917, 64.5896, 41.6749



79.1622, 86.1284, 48.4084



56.5783, 67.2309, 42.3435



14.6609, 15.6078, 14.5467



28.1293, 29.6966, 4.2494



2.0033, 2.1655, 0.3124



# Inverse Universe

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



41.4731, 40.9179, 74.8195



50.2642, 48.3814, 101.2971



43.8337, 39.2250, 74.3683



13.1414, 13.6220, 17.3244



8.3016, 4.0727, 41.3969

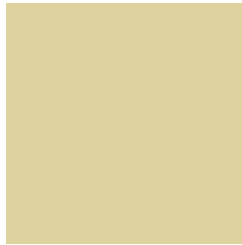


0.6332, 0.3978, 2.8887



# Previews

## White Background



This preview shows how the XYZ color 59.5900, 64.5867, 41.6735 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

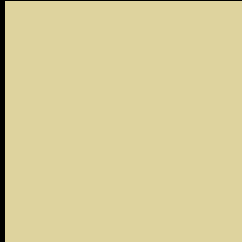
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.5900, 64.5867, 41.6735 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

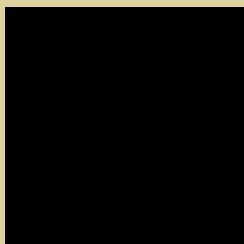
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

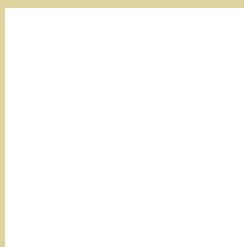
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 59.5900, 64.5867, 41.6735

## Background



This preview shows how black text looks on a background with the XYZ color 59.5900, 64.5867, 41.6735.



This preview shows how white text looks on a background with the XYZ color 59.5900, 64.5867,

41.6735.

# 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

59.5900, 64.5867, 41.6735

### Protanopia

60.2695, 64.5694, 41.6343

### Deuteranopia

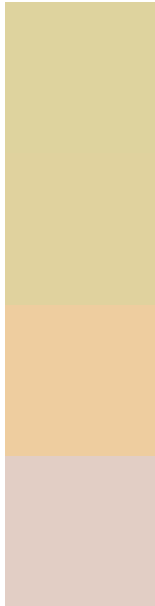
65.8235, 64.5533, 42.2485



## Tritanopia

66.4552, 64.4844, 75.9620

# Trichromacy



## Original Color

59.5900, 64.5867, 41.6735

## Protanomaly

59.9586, 64.4091, 41.6198

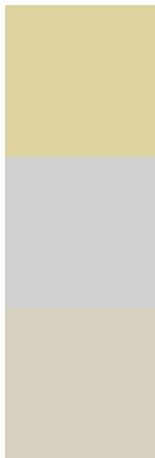
## Deuteranomaly

63.3492, 64.3430, 41.8815

## Tritanomaly

63.5134, 64.3426, 61.8952

# Monochromacy



## Original Color

59.5900, 64.5867, 41.6735

## Achromatopsia

59.9535, 63.0757, 68.6895

## Achromatomaly

59.5353, 63.4648, 57.8273

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.5900, 64.5867, 41.6735 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(222, 211, 158)` looks like.

```
.text, #text, p{  
    color:rgb(222, 211, 158)  
}
```

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(222, 211, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 211, 158) }
```

## Border

The CSS property to change the border of an element to XYZ 59.5900, 64.5867, 41.6735 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(222, 211, 158) }
```



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

```
.border{ border-color:rgb(222, 211, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 211, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 211, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 211, 158);  
box-shadow:4px 4px 4px 4px rgb(222, 211,  
158) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.5900, 64.5867, 41.6735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 211, 158) }
```

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

```
.background{ background-color: rgb(222,  
211, 158) }
```

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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