

# Converting Colors

XYZ(57.6399, 61.8147, 39.0305)

Have a look what the booklet for  
XYZ(57.6399, 61.8147, 39.0305)  
contains.

<b>XYZ(57.6399, 61.8147, 39.0305)</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(57.6399, 61.8147,  
39.0305)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDCE99
RGB	221, 206, 153
RGB Percent	87%, 81%, 60%
CMY	0.1333, 0.1921, 0.4000
CMYK	0.00, 0.07, 0.31, 0.13
HSL	47°, 50%, 73%
HSV	47°, 31%, 87%
XYZ	57.6399, 61.8147, 39.0305
YIQ	204.4430, 25.9530, -13.3030

# Conversions

## Conversions Part 2

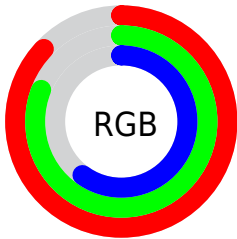
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	172, 221, 153
Decimal	14536345
CIE Lab	82.81, -2.71, 28.30
CIE LCh	83, 28.427, 95.464
Yxy	61.8147, 0.3637, 0.3900
Android (android.graphics.Color)	4292726425 (0xFFDDCE99)
YUV	204.4430, -25.3614, 14.5205
Hunter-Lab	78.6223, -6.7265, 25.6023

# Details

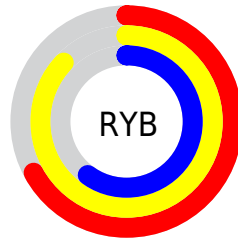
The XYZ color **57.6399, 61.8147, 39.0305** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.1904, 39.9970, 74.0087**, and the grayscale version is **57.8203, 60.8315, 66.2455**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **29.0942, 31.3954, 16.8384** is the 20% darker color. If you saturate the color by 10%, you get **54.8265, 58.8432, 29.9061**, and if you desaturate by 10%, it is **60.8310, 64.9998, 49.9501**.

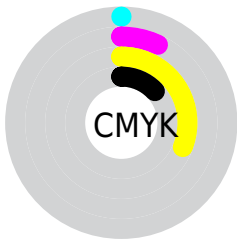
# Distribution



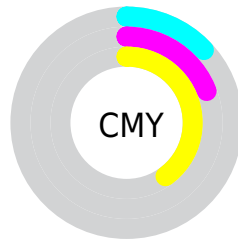
- Red (87%)
- Green (81%)
- Blue (60%)



- Red (67%)
- Yellow (87%)
- Blue (60%)



- Cyan (0%)
- Magenta (7%)
- Yellow (31%)
- Black (13%)




- Cyan (13%)
- Magenta (19%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.6399, 61.8147, 39.0305 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 57.6399, 61.8147, 39.0305 by changing the saturation by 10% instead.




 57.6399, 61.8147,  
39.0305

 57.6399, 61.8147,  
39.0305


405.8183,  
431.2549, 357.4500

 41.7614, 44.8830,  
26.4754


 100.5243,  
107.4577, 74.9058

 29.1048, 31.3653,  
16.9507


 128.2608,  
136.9377, 99.0631

 19.3048, 20.8772,  
10.0378


160.6807,  
171.3694, 127.9248

 11.9960, 13.0342,  
5.3181

198.1493,  
211.1369, 161.9096

 6.8131, 7.4521,  
2.3731

241.0321,  
256.6249, 201.4360

 3.3908, 3.7464,  
0.7717

289.6942,

 1.3636, 1.5328,

308.2176, 246.9225

0.0000

344.5012,  
366.2995, 298.7876

■ 0.2301, 0.3116,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.6399, 61.8147,  
39.0305

■ 57.6399, 61.8147,  
39.0305

■ 54.8265, 58.8432,  
29.9061

■ 60.8310, 64.9998,  
49.9501

■ 52.3669, 56.0688,  
22.4745


■ 64.4126, 68.3976,  
62.7519

■ 50.2420, 53.4855,  
16.6288


■ 68.4026, 72.0181,  
77.5222

■ 48.4285, 51.0833,  
12.2484


■ 72.8165, 75.8678,  
94.3404


 46.8999, 48.8511,  
9.1952


 76.2695, 79.3934,  
105.9124


 45.6246, 46.7759,  
7.3047

 77.6476, 82.1497,  
106.3718

 44.6222, 44.9788,  
6.3299

 79.0641, 84.9826,  
106.8439

 80.5190, 87.8925,  
107.3289

 82.0128, 90.8801,  
107.8268

# Harmonies

## Analogous

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



63.7746, 61.8147, 41.0742



57.6399, 61.8147, 39.0305



52.1887, 61.8147, 43.4259

# Triad

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



57.6399, 61.8147, 39.0305



49.6832, 61.8147, 88.8060



70.1173, 61.8147, 82.2875

# Complementary

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



57.6399, 61.8147, 39.0305



40.1904, 39.9970, 74.0087

# 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.



65.8460, 61.8147, 98.6435



57.6399, 61.8147, 39.0305



54.0022, 61.8147, 102.8411

# Square

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



57.6399, 61.8147, 39.0305



47.8036, 61.8147, 70.5652



59.8804, 61.8147, 106.7215



71.2584, 61.8147, 64.1482



# Rectangle

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



57.6399, 61.8147, 39.0305



49.5854, 61.8147, 49.9558



59.8804, 61.8147, 106.7215



68.9861, 61.8147, 88.2689

# Sweetspot

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



57.6415, 61.8175, 39.0318



89.9793, 95.4225, 90.0571



48.3595, 41.0149, 42.8391



19.0933, 20.2711, 18.6697



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.



57.6415, 61.8175, 39.0318



77.1204, 82.7773, 45.4696



56.1989, 66.6909, 40.0485



13.9060, 14.7513, 13.8399



26.0089, 26.3033, 3.7062



1.7464, 1.8269, 0.2606



# Inverse Universe

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



40.1904, 39.9970, 74.0087



49.2941, 47.9940, 101.2734



41.2667, 36.6767, 73.3111



12.5704, 13.0805, 16.5144



8.2823, 4.4341, 40.1577

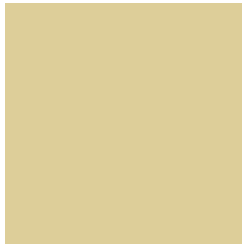


0.6010, 0.4162, 2.6231



# Previews

## White Background



This preview shows how the XYZ color 57.6399, 61.8147, 39.0305 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

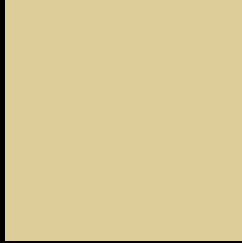
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.6399, 61.8147, 39.0305 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

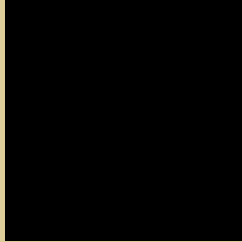
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 57.6399, 61.8147, 39.0305**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.6399, 61.8147, 39.0305.



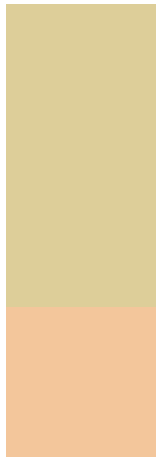
This preview shows how white text looks on a background with the XYZ color 57.6399, 61.8147,



# 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

57.6399, 61.8147, 39.0305

### Protanopia

57.6399, 61.8147, 39.0305

### Deuteranopia

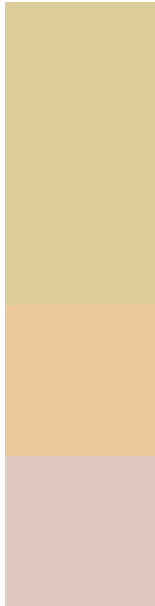
63.0726, 61.8094, 39.6165



## Tritanopia

64.3266, 61.7372, 72.1444

# Trichromacy



## Original Color

57.6399, 61.8147, 39.0305

## Protanomaly

57.6399, 61.8147, 39.0305

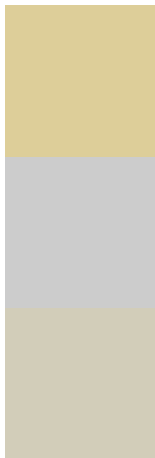
## Deuteranomaly

60.9803, 61.7685, 39.2804

## Tritanomaly

61.4524, 61.5866, 58.5177

# Monochromacy



## Original Color

57.6399, 61.8147, 39.0305

## Achromatopsia

57.3938, 60.3827, 65.7568

## Achromatomaly

57.1666, 60.8671, 54.6345

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.6399, 61.8147, 39.0305 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(221, 206, 153)` looks like.

```
.text, #text, p{  
    color:rgb(221, 206, 153)  
}
```

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(221, 206, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 206, 153) }
```

## Border

The CSS property to change the border of an element to XYZ 57.6399, 61.8147, 39.0305 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(221, 206, 153) }
```



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

```
.border{ border-color:rgb(221, 206, 153) }
```

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

Here you see how a box with a 4 pixel rgb(221, 206, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 206, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 206, 153);  
box-shadow:4px 4px 4px 4px rgb(221, 206,  
153) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.6399, 61.8147, 39.0305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 206, 153) }
```

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

```
.background{ background-color: rgb(221,  
206, 153) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor