

# Converting Colors

XYZ(59.4075, 63.7726, 39.2473)

Have a look what the booklet for  
XYZ(59.4075, 63.7726, 39.2473)  
contains.

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# Color

**XYZ(59.2907, 63.7481,  
39.3167)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0D199
RGB	224, 209, 153
RGB Percent	88%, 82%, 60%
CMY	0.1216, 0.1804, 0.4000
CMYK	0.00, 0.07, 0.32, 0.12
HSL	47°, 53%, 74%
HSV	47°, 32%, 88%
XYZ	59.2907, 63.7481, 39.3167
YIQ	207.1010, 26.9160, -14.2360

# Conversions

## Conversions Part 2

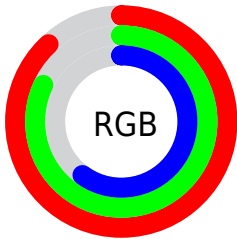
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	172, 224, 153
Decimal	14733721
CIE <sub>Lab</sub>	83.83, -3.10, 29.71
CIE <sub>LCh</sub>	84, 29.870, 95.957
Yxy	63.7481, 0.3652, 0.3926
Android (android.graphics.Color)	4292923801 (0xFFE0D199)
YUV	207.1010, -26.6718, 14.8204
Hunter-Lab	79.8424, -7.1707, 26.6936

# Details

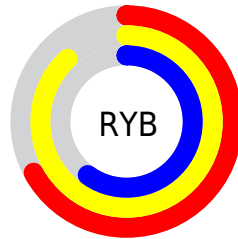
The XYZ color **59.2907, 63.7481, 39.3167** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.5938, 40.1583, 76.1329**, and the grayscale version is **59.5290, 62.6291, 68.2031**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **30.2188, 32.7071, 17.0323** is the 20% darker color. If you saturate the color by 10%, you get **56.4686, 60.7918, 30.0894**, and if you desaturate by 10%, it is **62.4979, 66.9181, 50.3873**.

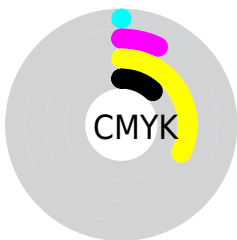
# Distribution



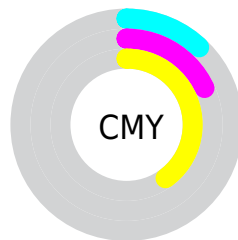
- Red (88%)
- Green (82%)
- Blue (60%)



- Red (67%)
- Yellow (88%)
- Blue (60%)



- Cyan (0%)
- Magenta (7%)
- Yellow (32%)
- Black (12%)




- Cyan (12%)
- Magenta (18%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.2907, 63.7481, 39.3167 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 59.2907, 63.7481, 39.3167 by changing the saturation by 10% instead.





 59.2907, 63.7481,  
39.3167


 59.2907, 63.7481,  
39.3167


411.8551,  
438.2794, 358.7012

 43.0944, 46.4467,  
26.6965


 102.9123,  
110.2481, 75.3475

 30.1541, 32.5984,  
17.1150

 131.0683,  
140.2154, 99.5952

 20.1042, 21.8190,  
10.1537


163.9416,  
175.1735, 128.5558

 12.5795, 13.7240,  
5.3940

201.8976,  
215.5068, 162.6479

 7.2146, 7.9289,  
2.4175

245.3015,  
261.5996, 202.2899

 3.6442, 4.0495,  
0.7960

294.5189,

 1.5029, 1.7013,

313.8364, 247.9004

0.0000

349.9150,  
372.6016, 299.8980

■ 0.3278, 0.4245,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.2907, 63.7481,  
39.3167

■ 59.2907, 63.7481,  
39.3167

■ 56.4686, 60.7918,  
30.0894

■ 62.4979, 66.9181,  
50.3873

■ 54.0069, 58.0320,  
22.5986

■ 66.1035, 70.3009,  
63.3919

■ 51.8856, 55.4626,  
16.7330

■ 70.1262, 73.9066,  
78.4199

■ 50.0803, 53.0734,  
12.3664

■ 74.5820, 77.7420,  
95.5542

■ 48.5634, 50.8527,  
9.3540

■ 77.8332, 81.1526,  
106.1695

■ 47.3016, 48.7868,  
7.5221

■ 79.1879, 83.8620,  
106.6211

■ 46.4019, 47.1701,  
6.6591

■ 80.5788, 86.6438,  
107.0847

■ 82.0061, 89.4984,  
107.5605

■ 83.4701, 92.4264,  
108.0485

# Harmonies

## Analogous

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



65.8782, 63.7481, 41.3641



59.2907, 63.7481, 39.3167



53.4799, 63.7481, 44.0768

# Triad

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



59.2907, 63.7481, 39.3167



50.9404, 63.7481, 92.8640



72.8593, 63.7481, 85.1990

# Complementary

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



59.2907, 63.7481, 39.3167



40.5938, 40.1583, 76.1329

# 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.



68.3054, 63.7481, 102.9625



59.2907, 63.7481, 39.3167



55.5939, 63.7481, 107.9173

# Square

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



59.2907, 63.7481, 39.3167



48.8877, 63.7481, 73.2287



61.9095, 63.7481, 111.9115



74.0264, 63.7481, 65.7280



# Rectangle

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



59.2907, 63.7481, 39.3167



50.7254, 63.7481, 51.0830



61.9095, 63.7481, 111.9115



71.6586, 63.7481, 91.6693

# Sweetspot

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



59.2923, 63.7510, 39.3180



89.5187, 95.0770, 88.1288



49.2359, 41.4720, 42.6440



19.0042, 20.2076, 18.2865



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.



59.2923, 63.7510, 39.3180



76.9956, 82.8829, 44.3328



57.2757, 68.4324, 40.3279



14.6132, 15.5124, 14.5308



27.0954, 27.6288, 3.9048



1.9403, 2.0396, 0.2914



# Inverse Universe

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



40.5938, 40.1583, 76.1329



48.2033, 46.5653, 101.0552



42.1059, 37.0627, 75.4557



13.1855, 13.7101, 17.3390



8.4981, 4.4657, 41.4624

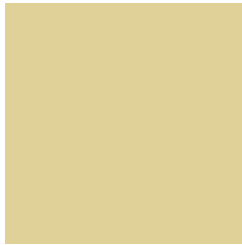


0.6539, 0.4393, 2.8956



# Previews

## White Background



This preview shows how the XYZ color 59.2907, 63.7481, 39.3167 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

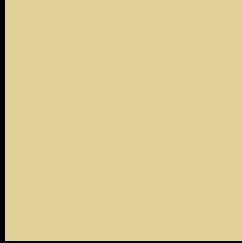
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.2907, 63.7481, 39.3167 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

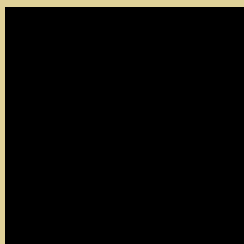
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

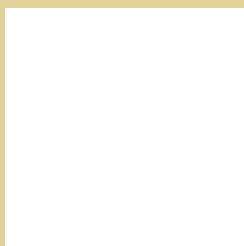
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 59.2907, 63.7481, 39.3167**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.2907, 63.7481, 39.3167.



This preview shows how white text looks on a background with the XYZ color 59.2907, 63.7481,



# 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

59.2907, 63.7481, 39.3167

### Protanopia

59.6016, 63.9084, 39.3312

### Deuteranopia

64.9284, 63.4493, 39.8352



## Tritanopia

66.2363, 63.7201, 73.7739

# Trichromacy



## Original Color

59.2907, 63.7481, 39.3167

## Protanomaly

59.6016, 63.9084, 39.3312

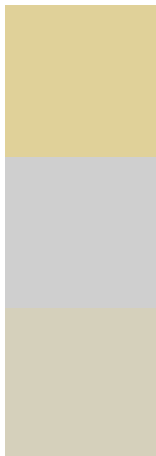
## Deuteranomaly

62.7853, 63.3957, 39.4993

## Tritanomaly

63.2134, 63.5300, 59.3829

# Monochromacy



## Original Color

59.2907, 63.7481, 39.3167

## Achromatopsia

59.3074, 62.3960, 67.9493

## Achromatomaly

58.9661, 62.8457, 56.0363

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.2907, 63.7481, 39.3167 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(224, 209, 153)` looks like.

```
.text, #text, p{  
    color:rgb(224, 209, 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(224, 209, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 209, 153) }
```

## Border

The CSS property to change the border of an element to XYZ 59.2907, 63.7481, 39.3167 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(224, 209, 153) }
```



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

```
.border{ border-color:rgb(224, 209, 153) }
```

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

Here you see how a box with a 4 pixel rgb(224, 209, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 209, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 209, 153);  
box-shadow:4px 4px 4px 4px rgb(224, 209,  
153) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.2907, 63.7481, 39.3167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 209, 153) }
```

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

```
.background{ background-color: rgb(224,  
209, 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](#).

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