

# Converting Colors

XYZ(59.8279, 62.7924, 41.8969)

Have a look what the booklet for  
XYZ(59.8279, 62.7924, 41.8969)  
contains.

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# **Color**

**XYZ(60.0079, 62.9767,  
41.7939)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3CE9F
RGB	227, 206, 159
RGB Percent	89%, 81%, 62%
CMY	0.1098, 0.1921, 0.3765
CMYK	0.00, 0.09, 0.30, 0.11
HSL	41°, 55%, 76%
HSV	41°, 30%, 89%
XYZ	60.0079, 62.9767, 41.7939
YIQ	206.9210, 27.6030, -10.1650

# Conversions

## Conversions Part 2

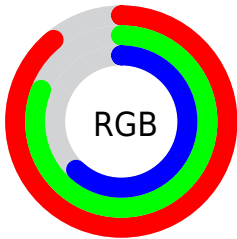
<b>Format</b>	<b>Color</b>
<b>RYB</b>	189, 227, 159
Decimal	14929567
CIELab	83.43, 0.36, 26.08
CIELCh	83, 26.084, 89.212
Yxy	62.9767, 0.3642, 0.3822
Android (android.graphics.Color)	4293119647 (0xFFE3CE9F)
YUV	206.9210, -23.6251, 17.6093
Hunter-Lab	79.3579, -3.9002, 24.3254

# Details

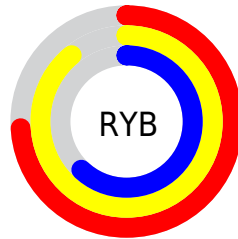
The XYZ color **60.0079, 62.9767, 41.7939** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **44.4842, 45.5583, 79.1224**, and the grayscale version is **59.3936, 62.4866, 68.0480**.

A 20% lighter version of the original color is **89.1376, 97.6350, 77.7657**, and **30.6767, 32.1759, 18.5037** is the 20% darker color. If you saturate the color by 10%, you get **56.5668, 58.9626, 31.8047**, and if you desaturate by 10%, it is **63.8893, 67.2918, 53.7160**.

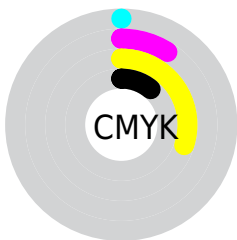
# Distribution



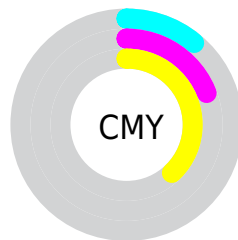
- Red (89%)
- Green (81%)
- Blue (62%)



- Red (74%)
- Yellow (89%)
- Blue (62%)



- Cyan (0%)
- Magenta (9%)
- Yellow (30%)
- Black (11%)



- Cyan (11%)
- Magenta (19%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.0079, 62.9767, 41.7939 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 60.0079, 62.9767, 41.7939 by changing the saturation by 10% instead.



■ 60.0079, 62.9767,  
41.7939

■ 60.0079, 62.9767,  
41.7939

414.4612,  
435.4849, 369.4023

■ 43.6745, 45.8224,  
28.6156

■ 103.9474,  
109.1359, 79.1543

■ 30.6115, 32.1057,  
18.5471

■ 132.2842,  
138.9095, 104.1735

■ 20.4536, 21.4422,  
11.1700

165.3529,  
173.6584, 133.9767

■ 12.8353, 13.4476,  
6.0657

203.5187,  
213.7669, 168.9825

■ 7.3915, 7.7375,  
2.8156

247.1471,  
259.6194, 209.6094

■ 3.7566, 3.9274,  
1.0013

296.6034,

■ 1.5654, 1.6331,

311.6003, 256.2760

0.0000

352.2530,  
370.0940, 309.4008

■ 0.3697, 0.3797,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.0079, 62.9767,  
41.7939

■ 60.0079, 62.9767,  
41.7939

■ 56.5668, 58.9626,  
31.8047

■ 63.8893, 67.2918,  
53.7160

■ 53.5404, 55.2309,  
23.6398

■ 68.2253, 71.9084,  
67.6637

■ 50.9075, 51.7740,  
17.1856

■ 73.0357, 76.8382,  
83.7288

■ 48.6428, 48.5800,  
12.3143

■ 78.3373, 82.0893,  
101.9959

■ 46.7178, 45.6359,  
8.8799

■ 81.1985, 86.4906,  
107.0225

■ 45.0985, 42.9263,  
6.7089

■ 83.3138, 90.7213,  
107.7276

■ 43.7269, 40.4265,  
5.5014

■ 85.4887, 95.0709,  
108.4525

■ 43.7210, 40.4156,  
5.4966

# Harmonies

## Analogous

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



65.6277, 62.9767, 45.0436



60.0079, 62.9767, 41.7939



54.6805, 62.9767, 44.7191

# Triad

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



60.0079, 62.9767, 41.7939



50.8161, 62.9767, 85.0091



69.7457, 62.9767, 85.8724

# Complementary

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



60.0079, 62.9767, 41.7939



44.4842, 45.5583, 79.1224

# 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.



65.3513, 62.9767, 99.6789



60.0079, 62.9767, 41.7939



54.4357, 62.9767, 99.1275

# Square

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



60.0079, 62.9767, 41.7939



49.5810, 62.9767, 68.1413



59.7073, 62.9767, 104.8710



71.4640, 62.9767, 69.0023



# Rectangle

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



60.0079, 62.9767, 41.7939



51.9582, 62.9767, 50.0888



59.7073, 62.9767, 104.8710



68.5194, 62.9767, 91.1178

# Sweetspot

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



60.0095, 62.9796, 41.7952



89.3536, 94.1711, 89.8486



52.3700, 44.4450, 49.2848



18.9385, 19.9616, 18.6182



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.



60.0095, 62.9796, 41.7952



75.2440, 78.6620, 45.9619



61.6150, 71.8183, 43.4166



15.2065, 16.0268, 15.1965



25.6062, 23.7865, 3.2417



1.9738, 1.9209, 0.2667



# Inverse Universe

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



44.4842, 45.5583, 79.1224



51.9448, 52.5267, 102.0086



43.1604, 39.0536, 77.9366



13.9440, 14.6094, 18.2293



9.4577, 5.9775, 43.0385

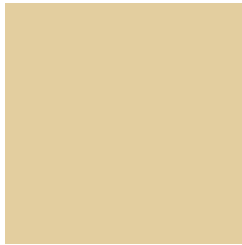


0.7791, 0.6021, 3.2071



# Previews

## White Background



This preview shows how the XYZ color 60.0079, 62.9767, 41.7939 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

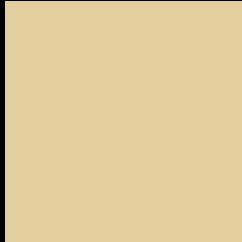
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.0079, 62.9767, 41.7939 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

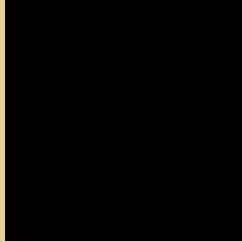
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 60.0079, 62.9767, 41.7939**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.0079, 62.9767, 41.7939.



This preview shows how white text looks on a background with the XYZ color 60.0079, 62.9767,

41.7939.

# 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

60.0079, 62.9767, 41.7939

### Protanopia

59.0252, 63.1794, 42.3416

### Deuteranopia

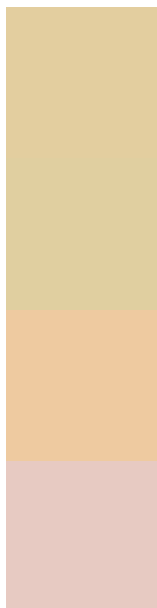
64.3077, 63.0797, 42.0439



## Tritanopia

66.1653, 63.0255, 72.2962

# Trichromacy



## Original Color

60.0079, 62.9767, 41.7939

## Protanomaly

59.3985, 63.0110, 42.2894

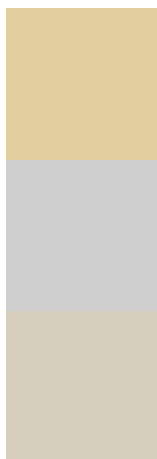
## Deuteranomaly

62.7256, 62.9563, 42.1035

## Tritanomaly

63.8131, 63.1250, 59.8600

# Monochromacy



## Original Color

60.0079, 62.9767, 41.7939

## Achromatopsia

59.3074, 62.3960, 67.9493

## Achromatomaly

59.3386, 62.6395, 57.6783

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.0079, 62.9767, 41.7939 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(227, 206, 159)` looks like.

```
.text, #text, p{  
    color:rgb(227, 206, 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(227, 206, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 206, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 60.0079, 62.9767, 41.7939 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(227, 206, 159) }
```



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

```
.border{ border-color:rgb(227, 206, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 206, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 206, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 206, 159); box-shadow:4px 4px 4px 4px rgb(227, 206, 159) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.0079, 62.9767, 41.7939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 206, 159) }
```

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

```
.background{ background-color: rgb(227,  
206, 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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