

# Converting Colors

XYZ(59.1412, 62.5338, 51.5835)

Have a look what the booklet for  
XYZ(59.1412, 62.5338, 51.5835)  
contains.

<b>XYZ(59.3629, 62.7857, 51.6379)</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(59.3629, 62.7857,  
51.6379)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DACFB3
RGB	218, 207, 179
RGB Percent	85%, 81%, 70%
CMY	0.1451, 0.1882, 0.2980
CMYK	0.00, 0.05, 0.18, 0.15
HSL	43°, 35%, 78%
HSV	43°, 18%, 85%
XYZ	59.3629, 62.7857, 51.6379
YIQ	207.0970, 15.5440, -6.3760

# Conversions

## Conversions Part 2

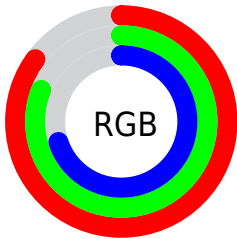
Format	Color
<b>RYB</b>	194, 218, 179
Decimal	14340019
CIELab	83.33, -0.75, 15.29
CIELCh	83, 15.309, 92.808
Yxy	62.7857, 0.3416, 0.3613
Android (android.graphics.Color)	4292530099 (0xFFDACFB3)
YUV	207.0970, -13.8518, 9.5619
Hunter-Lab	79.2374, -4.9373, 16.8278

# Details

The XYZ color **59.3629, 62.7857, 51.6379** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **49.6585, 51.4714, 73.6477**, and the grayscale version is **59.4515, 62.5476, 68.1143**.

A 20% lighter version of the original color is **91.9954, 98.7782, 92.8147**, and **30.2614, 32.0754, 24.3349** is the 20% darker color. If you saturate the color by 10%, you get **55.8705, 59.0544, 40.4425**, and if you desaturate by 10%, it is **63.2653, 66.7780, 64.6911**.

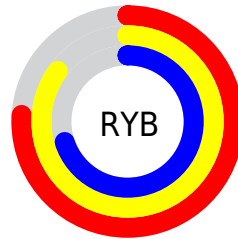
# Distribution



Red (85%)

Green (81%)

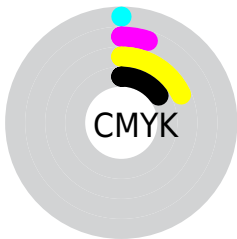
Blue (70%)



Red (76%)

Yellow (85%)

Blue (70%)

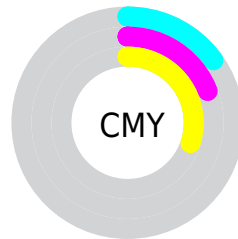


Cyan (0%)

Magenta (5%)

Yellow (18%)

Black (15%)



Cyan (15%)

Magenta (19%)

Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.3629, 62.7857, 51.6379 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 59.3629, 62.7857, 51.6379 by changing the saturation by 10% instead.



■ 59.3629, 62.7857,  
51.6379

■ 59.3629, 62.7857,  
51.6379

412.1179,  
434.7913, 409.9542

■ 43.1528, 45.6679,  
36.3363

■ 103.0165,  
108.8603, 94.0181

■ 30.2001, 31.9838,  
24.4023

131.1908,  
138.5858, 121.9338

■ 20.1393, 21.3491,  
15.4173

164.0838,  
173.2827, 154.8913

■ 12.6052, 13.3794,  
8.9629

202.0610,  
213.3354, 193.3091

■ 7.2324, 7.6903,  
4.6205

245.4876,  
259.1281, 237.6057

■ 3.6555, 3.8975,  
1.9716

294.7291,

■ 1.5091, 1.6164,

311.0455, 288.1998

0.5377

350.1507,  
369.4717, 345.5098

■ 0.3320, 0.3686,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.3629, 62.7857,  
51.6379

■ 59.3629, 62.7857,  
51.6379

■ 55.8705, 59.0544,  
40.4425

■ 63.2653, 66.7780,  
64.6911

■ 52.7660, 55.5678,  
31.0148

■ 67.5885, 71.0303,  
79.6788

■ 50.0328, 52.3204,  
23.2628

■ 72.3492, 75.5524,  
96.6780

■ 47.6509, 49.3032,  
17.0847

■ 75.7050, 79.6083,  
105.9836

45.5983, 46.5061,  
12.3679

77.4614, 83.1212,  
106.5691

43.8500, 43.9181,  
8.9840

79.2790, 86.7562,  
107.1749

42.3768, 41.5263,  
6.7828

81.1582, 90.5146,  
107.8013

41.1377, 39.3133,  
5.5522

82.7236, 93.6455,  
108.3231

40.8926, 38.8636,  
5.3461

# Harmonies

## Analogous

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



62.6493, 62.7857, 53.3181



59.3629, 62.7857, 51.6379



56.2742, 62.7857, 54.0827

# Triad

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



59.3629, 62.7857, 51.6379



54.4556, 62.7857, 78.7852



65.5529, 62.7857, 77.0878

# Complementary

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



59.3629, 62.7857, 51.6379



49.6585, 51.4714, 73.6477

# 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.



63.2120, 62.7857, 84.9587



59.3629, 62.7857, 51.6379



56.7981, 62.7857, 86.0010

# Square

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



59.3629, 62.7857, 51.6379



53.5078, 62.7857, 69.2649



59.9900, 62.7857, 88.3579



66.3008, 62.7857, 67.4688



# Rectangle

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



59.3629, 62.7857, 51.6379



54.7203, 62.7857, 57.8687



59.9900, 62.7857, 88.3579



64.9220, 62.7857, 80.0549

# Sweetspot

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



59.3646, 62.7885, 51.6392



91.9285, 96.9337, 98.0663



54.3339, 50.8663, 55.6991



19.5853, 20.6572, 20.6766



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.



59.3646, 62.7885, 51.6392



82.9670, 87.7610, 68.1030



59.6590, 67.0336, 52.4431



13.8358, 14.6110, 13.8166



24.5942, 23.4740, 3.2347



1.6649, 1.6640, 0.2334



# Inverse Universe

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



49.6585, 51.4714, 73.6477



66.9550, 69.0928, 104.4151



49.3795, 47.9247, 72.9778



12.6361, 13.2120, 16.5363



8.6752, 5.2199, 40.2887

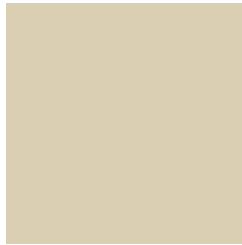


0.6343, 0.4828, 2.6342



# Previews

## White Background



This preview shows how the XYZ color 59.3629, 62.7857, 51.6379 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 59.3629, 62.7857, 51.6379 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

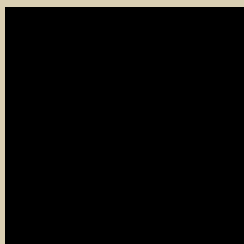
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

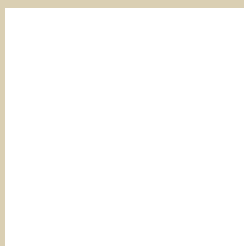
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 59.3629, 62.7857, 51.6379**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.3629, 62.7857, 51.6379.



This preview shows how white text looks on a background with the XYZ color 59.3629, 62.7857,



# 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

59.3629, 62.7857, 51.6379

### Protanopia

59.3629, 62.7857, 51.6379

### Deuteranopia

63.8175, 62.6084, 51.9011



## Tritanopia

64.0763, 62.9388, 74.4169

# Trichromacy



## Original Color

59.3629, 62.7857, 51.6379

## Protanomaly

59.3629, 62.7857, 51.6379

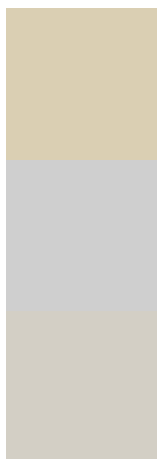
## Deuteranomaly

62.2273, 62.8302, 52.0277

## Tritanomaly

62.1912, 62.8697, 65.3571

# Monochromacy



## Original Color

59.3629, 62.7857, 51.6379

## Achromatopsia

59.3074, 62.3960, 67.9493

## Achromatomaly

59.2548, 62.5057, 61.7651

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.3629, 62.7857, 51.6379 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(218, 207, 179) looks like.

```
.text, #text, p{  
    color:rgb(218, 207, 179)  
}
```

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(218, 207, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 207, 179) }
```

## Border

The CSS property to change the border of an element to XYZ 59.3629, 62.7857, 51.6379 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(218, 207, 179) }
```



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

```
.border{ border-color:rgb(218, 207, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 207, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 207, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 207, 179);  
box-shadow:4px 4px 4px 4px rgb(218, 207,  
179) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.3629, 62.7857, 51.6379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 207, 179) }
```

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

```
.background{ background-color: rgb(218,  
207, 179) }
```

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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