

# Converting Colors

XYZ(61.3738, 69.5992, 53.3912)

Have a look what the booklet for  
XYZ(61.3738, 69.5992, 53.3912)  
contains.

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# Color

**XYZ(61.2235, 69.3867,  
53.3462)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D3DEB4
RGB	211, 222, 180
RGB Percent	83%, 87%, 71%
CMY	0.1725, 0.1294, 0.2941
CMYK	0.05, 0.00, 0.19, 0.13
HSL	76°, 39%, 79%
HSV	76°, 19%, 87%
XYZ	61.2235, 69.3867, 53.3462
YIQ	213.9230, 6.9260, -15.3940

# Conversions

## Conversions Part 2

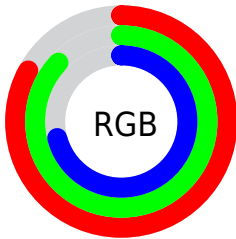
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 222, 191
Decimal	13885108
CIELab	86.70, -10.84, 19.39
CIELCh	87, 22.215, 119.199
Yxy	69.3867, 0.3328, 0.3772
Android (android.graphics.Color)	4292075188 (0xFFD3DEB4)
YUV	213.9230, -16.7240, -2.5635
Hunter-Lab	83.2987, -14.5774, 20.3385

# Details

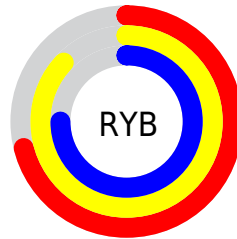
The XYZ color **61.2235, 69.3867, 53.3462** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.9946, 48.9947, 75.8802**, and the grayscale version is **63.9720, 67.3035, 73.2935**.

A 20% lighter version of the original color is **92.1403, 98.8361, 93.5778**, and **31.3598, 36.2377, 25.4204** is the 20% darker color. If you saturate the color by 10%, you get **57.5050, 67.7126, 42.2972**, and if you desaturate by 10%, it is **65.3683, 71.2429, 66.3089**.

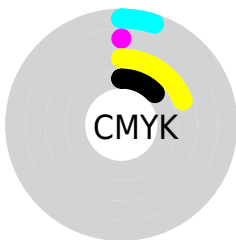
# Distribution



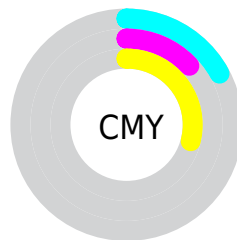
- Red (83%)
- Green (87%)
- Blue (71%)



- Red (71%)
- Yellow (87%)
- Blue (75%)



- Cyan (5%)
- Magenta (0%)
- Yellow (19%)
- Black (13%)




- Cyan (17%)
- Magenta (13%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.2235, 69.3867, 53.3462 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 61.2235, 69.3867, 53.3462 by changing the saturation by 10% instead.




 61.2235, 69.3867,  
53.3462

 61.2235, 69.3867,  
53.3462


418.8558,  
458.3937, 416.7158

 44.6588, 51.0267,  
37.6896


 105.6988,  
118.3337, 96.5603

 31.3889, 36.2299,  
25.4419


134.3400,  
149.6896, 124.9549

 21.0484, 24.6118,  
16.1846


167.7375,  
186.1461, 158.4325

 13.2721, 15.7881,  
9.4991

206.2566,  
228.0878, 197.4118

 7.6945, 9.3743,  
4.9669

250.2626,  
275.8990, 242.3112

 3.9502, 4.9861,  
2.1695

300.1209,

 1.6740, 2.2391,

329.9641, 293.5494

0.6567

356.1969,  
390.6675, 351.5447

■ 0.4399, 0.7412,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 61.2235, 69.3867,  
53.3462

■ 61.2235, 69.3867,  
53.3462

■ 57.5050, 67.7126,  
42.2972

■ 65.3683, 71.2429,  
66.3089

■ 54.1894, 66.2042,  
33.0667

■ 69.9506, 73.2789,  
81.2653

■ 51.2593, 64.8568,  
25.5582

■ 74.9878, 75.5039,  
98.2967

■ 48.6937, 63.6620,  
19.6644

■ 78.1917, 77.0028,  
105.3496

■ 46.4693, 62.6103,  
15.2659

■ 80.1358, 78.0050,  
105.4406

■ 44.5596, 61.6911,  
12.2271

■ 82.1431, 79.0398,  
105.5345

■ 42.9336, 60.8919,  
10.3876

■ 84.2143, 80.1076,  
105.6315

■ 41.5430, 60.1933,  
9.4978

■ 85.4127, 80.7254,  
105.6876

■ 41.4001, 60.1212,  
9.4225

# Harmonies

## Analogous

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



66.0888, 69.3867, 50.5339



61.2235, 69.3867, 53.3462



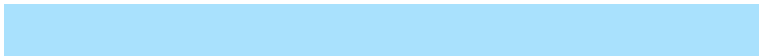
57.7834, 69.3867, 61.9045

# Triad

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



61.2235, 69.3867, 53.3462



60.9951, 69.3867, 102.7037



76.3850, 69.3867, 75.9483

# Complementary

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



61.2235, 69.3867, 53.3462



50.9946, 48.9947, 75.8802

# 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.



74.8519, 69.3867, 91.0672



61.2235, 69.3867, 53.3462



65.8113, 69.3867, 107.7012

# Square

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



61.2235, 69.3867, 53.3462



57.6565, 69.3867, 90.2900



70.9137, 69.3867, 103.1920



75.0029, 69.3867, 62.5090



# Rectangle

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



61.2235, 69.3867, 53.3462



56.6693, 69.3867, 70.3458



70.9137, 69.3867, 103.1920



76.1923, 69.3867, 81.0055

# Sweetspot

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



61.2253, 69.3897, 53.3477



91.2243, 98.3011, 96.3706



56.8868, 55.8709, 50.9670



19.4395, 21.0021, 20.3485



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

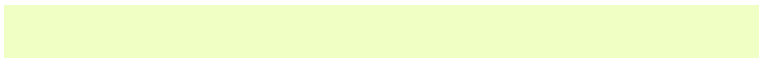


# Same Dimension

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



61.2253, 69.3897, 53.3477



81.5749, 93.9828, 66.2747



55.7221, 66.5527, 53.0901



14.5030, 15.8395, 14.5997



24.6990, 35.7653, 5.6016



1.7945, 2.5216, 0.3921



# Inverse Universe

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



50.9946, 48.9947, 75.8802



64.9384, 60.8127, 102.9232



56.5159, 51.8410, 76.1386



13.2871, 13.4160, 17.2769



8.9626, 3.7157, 41.2932



0.7043, 0.3004, 2.8661



# Previews

## White Background



This preview shows how the XYZ color 61.2235, 69.3867, 53.3462 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

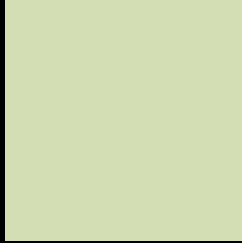
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.2235, 69.3867, 53.3462 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

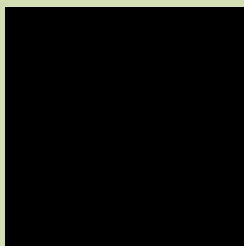
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

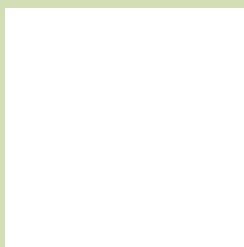
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 61.2235, 69.3867, 53.3462**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.2235, 69.3867, 53.3462.



This preview shows how white text looks on a background with the XYZ color 61.2235, 69.3867,



# 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

61.2235, 69.3867, 53.3462

### Protanopia

65.1248, 69.1091, 51.5019

### Deuteranopia

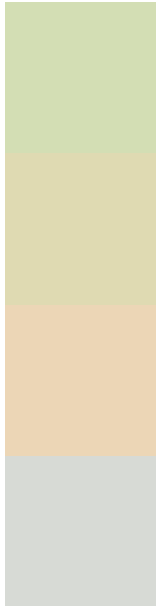
70.7720, 69.3438, 54.4544



## Tritanopia

67.7794, 69.3325, 86.1541

# Trichromacy



**Original Color**

61.2235, 69.3867, 53.3462

**Protanomaly**

63.5387, 69.0451, 52.0977

**Deuteranomaly**

67.0821, 69.3034, 54.0973

**Tritanomaly**

65.1060, 69.3940, 72.9137

# Monochromacy



**Original Color**

61.2235, 69.3867, 53.3462

**Achromatopsia**

63.9157, 67.2443, 73.2291

**Achromatomaly**

62.9141, 68.0361, 65.6935

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.2235, 69.3867, 53.3462 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(211, 222, 180)` looks like.

```
.text, #text, p{  
    color:rgb(211, 222, 180)  
}
```

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(211, 222, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 222, 180) }
```

## Border

The CSS property to change the border of an element to XYZ 61.2235, 69.3867, 53.3462 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(211, 222, 180) }
```



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

```
.border{ border-color:rgb(211, 222, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 222, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 222, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 222, 180);  
box-shadow:4px 4px 4px 4px rgb(211, 222,  
180) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.2235, 69.3867, 53.3462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 222, 180) }
```

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

```
.background{ background-color: rgb(211,  
222, 180) }
```

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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