

# Converting Colors

XYZ(62.3963, 69.8968, 21.4392)

Have a look what the booklet for  
XYZ(62.3963, 69.8968, 21.4392)  
contains.

<b>XYZ(62.3429, 69.8823, 21.5121)</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(62.3429, 69.8823,  
21.5121)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECDC61
RGB	236, 220, 97
RGB Percent	93%, 86%, 38%
CMY	0.0745, 0.1372, 0.6196
CMYK	0.00, 0.07, 0.59, 0.07
HSL	53°, 79%, 65%
HSV	53°, 59%, 93%
XYZ	62.3429, 69.8823, 21.5121
YIQ	210.7620, 49.0190, -34.8610

# Conversions

## Conversions Part 2

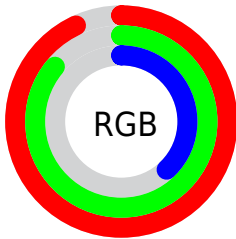
<b>Format</b>	<b>Color</b>
<b>RYB</b>	115, 236, 97
Decimal	15522913
CIELab	86.94, -9.27, 61.00
CIELCh	87, 61.697, 98.645
Yxy	69.8823, 0.4055, 0.4546
Android (android.graphics.Color)	4293712993 (0xFFE6DC61)
YUV	210.7620, -56.0847, 22.1337
Hunter-Lab	83.5956, -13.1729, 43.2595

# Details

The XYZ color **62.3429, 69.8823, 21.5121** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **25.9752, 20.4072, 81.9264**, and the grayscale version is **62.0971, 65.3310, 71.1455**.

A 20% lighter version of the original color is **82.6675, 95.0470, 43.6946**, and **31.9868, 36.4175, 7.4412** is the 20% darker color. If you saturate the color by 10%, you get **60.6958, 68.0949, 16.3184**, and if you desaturate by 10%, it is **64.3322, 71.8303, 28.4359**.

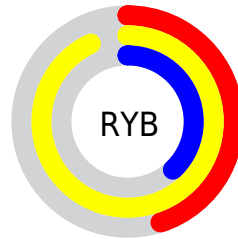
# Distribution



Red (93%)

Green (86%)

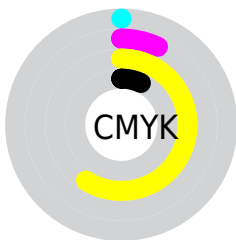
Blue (38%)



Red (45%)

Yellow (93%)

Blue (38%)

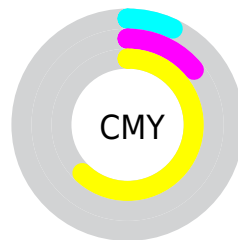


Cyan (0%)

Magenta (7%)

Yellow (59%)

Black (7%)



Cyan (7%)

Magenta (14%)

Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.3429, 69.8823, 21.5121 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 62.3429, 69.8823, 21.5121 by changing the saturation by 10% instead.



62.3429, 69.8823,  
21.5121

62.3429, 69.8823,  
21.5121

422.8784,  
460.1366, 272.8575

45.5665, 51.4306,  
13.3040

107.3081,  
119.0409, 46.8301

32.1070, 36.5514,  
7.5050

136.2276,  
150.5166, 64.7770

21.5992, 24.8604,  
3.6967

169.9255,  
187.1023, 86.8072

13.6777, 15.9730,  
1.4605

208.7672,  
229.1826, 113.3394

7.9770, 9.5051,  
0.1882

253.1179,  
277.1418, 144.7919

4.1319, 5.0721,  
0.0000

303.3431,

1.7770, 2.2896,

331.3642, 181.5834

0.0000

359.8082,  
392.2344, 224.1325

■ 0.5038, 0.7682,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.3429, 69.8823,  
21.5121

■ 62.3429, 69.8823,  
21.5121

■ 60.6958, 68.0949,  
16.3184

■ 64.3322, 71.8303,  
28.4359

■ 59.3558, 66.4462,  
12.6925


■ 66.6850, 73.9397,  
37.2243

■ 58.2891, 64.9252,  
10.4489


■ 69.4269, 76.2234,  
48.0033


■ 57.4420, 63.5103,  
9.3060


■ 72.5793, 78.6901,  
60.8867


 57.3543, 63.3576,  
9.2063

 76.1624, 81.3480,  
75.9798

 80.1949, 84.2046,  
93.3808

 83.5126, 86.7942,  
106.9591

 84.3137, 88.3964,  
107.2261

 85.1267, 90.0225,  
107.4972

# Harmonies

## Analogous

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



77.0303, 69.8823, 23.5308



62.3429, 69.8823, 21.5121



50.5771, 69.8823, 29.4173

# Triad

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



62.3429, 69.8823, 21.5121



47.0456, 69.8823, 137.1805



95.7122, 69.8823, 108.7985

# Complementary

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



62.3429, 69.8823, 21.5121



25.9752, 20.4072, 81.9264

# 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.



85.2700, 69.8823, 156.4169



62.3429, 69.8823, 21.5121



56.8335, 69.8823, 176.5028

# Square

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



62.3429, 69.8823, 21.5121



42.6214, 69.8823, 88.6510



70.6732, 69.8823, 184.5910



97.7520, 69.8823, 64.7753



# Rectangle

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



62.3429, 69.8823, 21.5121



45.4584, 69.8823, 41.8179



70.6732, 69.8823, 184.5910



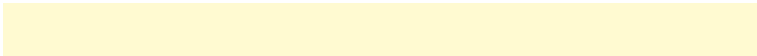
93.0028, 69.8823, 125.2997

# Sweetspot

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



62.3445, 69.8856, 21.5135



86.8593, 94.0649, 73.9649



41.8599, 27.5800, 18.8050



18.3426, 19.9437, 14.8003



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.



62.3445, 69.8856, 21.5135



71.9450, 80.6951, 18.2535



51.6145, 70.8864, 22.2722



16.1954, 17.3137, 16.0070



31.6764, 35.0471, 5.0952



2.5294, 2.8361, 0.4141



# Inverse Universe

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



25.9752, 20.4072, 81.9264



24.9428, 16.8191, 96.5395



32.0455, 21.1173, 81.7435



14.3708, 14.8280, 19.0269



8.6107, 3.8684, 44.0358

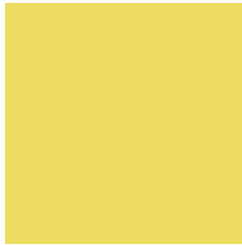


0.7222, 0.3959, 3.4732



# Previews

## White Background



This preview shows how the XYZ color 62.3429, 69.8823, 21.5121 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 62.3429, 69.8823, 21.5121 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 62.3429, 69.8823, 21.5121

## Background



This preview shows how black text looks on a background with the XYZ color 62.3429, 69.8823, 21.5121.



This preview shows how white text looks on a background with the XYZ color 62.3429, 69.8823,



# 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

62.3429, 69.8823, 21.5121

### Protanopia

63.8007, 69.8646, 21.1889

### Deuteranopia

69.6319, 69.4913, 37.7601



## Tritanopia

74.3435, 69.9098, 79.3877

# Trichromacy



## Original Color

62.3429, 69.8823, 21.5121

## Protanomaly

63.3780, 70.0328, 21.2436

## Deuteranomaly

66.7204, 69.6346, 30.6932

## Tritanomaly

68.7875, 69.4944, 51.3832

# Monochromacy



## Original Color

62.3429, 69.8823, 21.5121

## Achromatopsia

61.9161, 65.1406, 70.9381

## Achromatomaly

60.8175, 66.2111, 47.6048

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.3429, 69.8823, 21.5121 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(236, 220, 97)` looks like.

```
.text, #text, p{  
    color:rgb(236, 220, 97)  
}
```

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(236, 220, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 220, 97) }
```

## Border

The CSS property to change the border of an element to XYZ 62.3429, 69.8823, 21.5121 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(236, 220, 97) }
```



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

```
.border{ border-color:rgb(236, 220, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 220, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 220, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 220, 97);  
box-shadow:4px 4px 4px 4px rgb(236, 220,  
97) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.3429, 69.8823, 21.5121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 220, 97) }
```

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

```
.background{ background-color: rgb(236,  
220, 97) }
```

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