

# Converting Colors

XYZ(57.1629, 70.8094, 21.3889)

Have a look what the booklet for  
XYZ(57.1629, 70.8094, 21.3889)  
contains.

<b>XYZ(57.2362, 70.8619, 21.4875)</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(57.2362, 70.8619,  
21.4875)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4E55F
RGB	212, 229, 95
RGB Percent	83%, 90%, 37%
CMY	0.1686, 0.1019, 0.6274
CMYK	0.07, 0.00, 0.59, 0.10
HSL	68°, 72%, 64%
HSV	68°, 59%, 90%
XYZ	57.2362, 70.8619, 21.4875
YIQ	208.6410, 32.8820, -45.2780

# Conversions

## Conversions Part 2

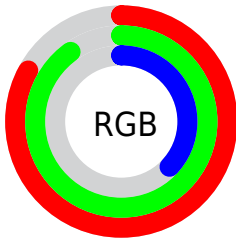
<b>Format</b>	<b>Color</b>
<b>RYB</b>	95, 229, 112
Decimal	13952351
CIELab	87.42, -23.54, 61.87
CIELCh	87, 66.192, 110.830
Yxy	70.8619, 0.3826, 0.4737
Android (android.graphics.Color)	4292142431 (0xFFD4E55F)
YUV	208.6410, -56.0250, 2.9458
Hunter-Lab	84.1795, -25.9466, 43.7914

# Details

The XYZ color **57.2362, 70.8619, 21.4875** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **24.9197, 17.2880, 76.1566**, and the grayscale version is **60.7104, 63.8721, 69.5567**.

A 20% lighter version of the original color is **82.5050, 94.9820, 42.8390**, and **29.0035, 37.3806, 7.5203** is the 20% darker color. If you saturate the color by 10%, you get **55.5148, 70.0800, 16.7494**, and if you desaturate by 10%, it is **59.2819, 71.7804, 27.8403**.

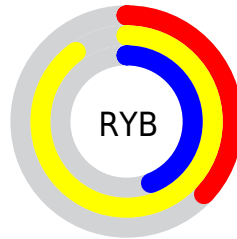
# Distribution



Red (83%)

Green (90%)

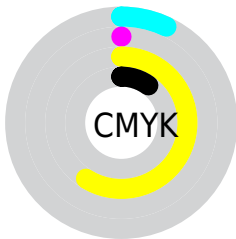
Blue (37%)



Red (37%)

Yellow (90%)

Blue (44%)

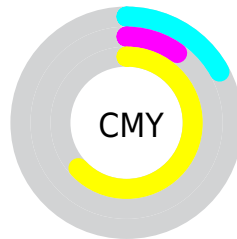


Cyan (7%)

Magenta (0%)

Yellow (59%)

Black (10%)



Cyan (17%)

Magenta (10%)

Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.2362, 70.8619, 21.4875 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 57.2362, 70.8619, 21.4875 by changing the saturation by 10% instead.



■ 57.2362, 70.8619,  
21.4875

■ 57.2362, 70.8619,  
21.4875

404.3337,  
463.5705, 272.7237

■ 41.4358, 52.2295,  
13.2861

■ 99.9391, 120.4371,  
46.7887

■ 28.8489, 37.1880,  
7.4928

■ 127.5723,  
152.1486, 64.7257

■ 19.1103, 25.3531,  
3.6891

■ 159.8805,  
188.9887, 86.7449

■ 11.8545, 16.3403,  
1.4564

■ 197.2291,  
231.3417, 113.2649

■ 6.7161, 9.7653,  
0.1851

239.9833,  
279.5920, 144.7042

■ 3.3300, 5.2436,  
0.0000


288.5086,

■ 1.3306, 2.3909,


334.1239, 181.4814

0.0000


343.1702,  
395.3220, 224.0151


 0.2059, 0.8212,  
0.0000


 0.0000, 0.0000,  
0.0000


 57.2362, 70.8619,  
21.4875


 57.2362, 70.8619,  
21.4875


 55.5148, 70.0800,  
16.7494


 59.2819, 71.7804,  
27.8403


 54.0851, 69.4139,  
13.4758


 61.6714, 72.8356,  
35.9316


 52.9158, 68.8537,  
11.4962


 64.4284, 74.0396,  
45.8781


 51.9590, 68.3802,  
10.5579

 67.5728, 75.4003,  
57.7852


 51.8249, 68.3133,  
10.4543

 71.1233, 76.9252,  
71.7506

 75.0973, 78.6213,  
87.8651

 79.4614, 80.4753,  
105.9530

 80.4146, 80.9667,  
105.9976

 81.3835, 81.4662,  
106.0429

# Harmonies

## Analogous

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



72.2474, 70.8619, 19.6176



57.2362, 70.8619, 21.4875



46.6661, 70.8619, 34.6141

# Triad

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



57.2362, 70.8619, 21.4875



50.1232, 70.8619, 164.7873



101.5266, 70.8619, 91.6758

# Complementary

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



57.2362, 70.8619, 21.4875



24.9197, 17.2880, 76.1566

# 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.



93.3939, 70.8619, 145.1505



57.2362, 70.8619, 21.4875



62.6831, 70.8619, 196.8731

# Square

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



57.2362, 70.8619, 21.4875



43.0215, 70.8619, 111.9241



78.5948, 70.8619, 188.5559



99.4665, 70.8619, 50.4565



# Rectangle

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



57.2362, 70.8619, 21.4875



42.8013, 70.8619, 52.2405



78.5948, 70.8619, 188.5559



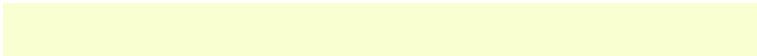
99.8527, 70.8619, 108.9515

# Sweetspot

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



57.2379, 70.8651, 21.4890



86.4102, 96.3003, 74.4200



40.0257, 28.7752, 14.2720



18.2313, 20.4983, 14.9132



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.



57.2379, 70.8651, 21.4890



70.4732, 89.2626, 20.4440



42.0069, 63.0132, 20.7762



15.4122, 16.7196, 15.3193



29.7006, 39.0927, 5.9803



2.2453, 2.9149, 0.4443



# Inverse Universe

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



24.9197, 17.2880, 76.1566



25.8314, 15.1194, 96.1646



36.5135, 23.2649, 76.6991



13.7520, 13.9744, 18.1168



8.4317, 3.4126, 42.5975



0.6786, 0.2808, 3.1504



# Previews

## White Background



This preview shows how the XYZ color 57.2362, 70.8619, 21.4875 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 57.2362, 70.8619, 21.4875 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

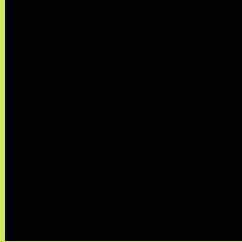
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 57.2362, 70.8619, 21.4875**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.2362, 70.8619, 21.4875.



This preview shows how white text looks on a background with the XYZ color 57.2362, 70.8619,

21.4875.

# 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

57.2362, 70.8619, 21.4875

### Protanopia

64.2254, 70.4904, 20.3462

### Deuteranopia

70.4510, 70.6140, 39.6225



## Tritanopia

70.2300, 70.5958, 86.2688

# Trichromacy



## Original Color

57.2362, 70.8619, 21.4875

## Protanomaly

61.6422, 70.7215, 20.7576

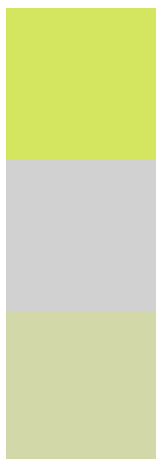
## Deuteranomaly

64.7647, 70.1322, 31.5961

## Tritanomaly

63.8555, 69.9360, 54.3894

# Monochromacy



## Original Color

57.2362, 70.8619, 21.4875

## Achromatopsia

60.6036, 63.7597, 69.4343

## Achromatomaly

58.2021, 65.6405, 46.6481

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.2362, 70.8619, 21.4875 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(212, 229, 95)` looks like.

```
.text, #text, p{  
    color:rgb(212, 229, 95)  
}
```

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(212, 229, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 229, 95) }
```

## Border

The CSS property to change the border of an element to XYZ 57.2362, 70.8619, 21.4875 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(212, 229, 95) }
```



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

```
.border{ border-color:rgb(212, 229, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 229, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 229, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 229, 95);  
box-shadow:4px 4px 4px 4px rgb(212, 229,  
95) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.2362, 70.8619, 21.4875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 229, 95) }
```

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

```
.background{ background-color: rgb(212,  
229, 95) }
```

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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