

# Converting Colors

XYZ(57.9358, 71.4676, 29.1552)

Have a look what the booklet for  
XYZ(57.9358, 71.4676, 29.1552)  
contains.

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# Color

**XYZ(57.8221, 71.4087,  
29.1481)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0E67A
RGB	208, 230, 122
RGB Percent	82%, 90%, 48%
CMY	0.1843, 0.0980, 0.5216
CMYK	0.10, 0.00, 0.47, 0.10
HSL	72°, 68%, 69%
HSV	72°, 47%, 90%
XYZ	57.8221, 71.4087, 29.1481
YIQ	211.1100, 21.5560, -38.2520

# Conversions

## Conversions Part 2

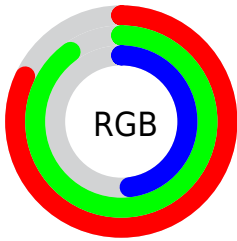
Format	Color
<b>RYB</b>	122, 230, 144
Decimal	13690490
CIELab	87.68, -23.25, 49.87
CIELCh	88, 55.018, 114.994
Yxy	71.4087, 0.3651, 0.4509
Android (android.graphics.Color)	4291880570 (0xFFD0E67A)
YUV	211.1100, -43.9312, -2.7275
Hunter-Lab	84.5037, -25.7418, 38.7015

# Details

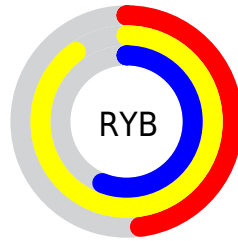
The XYZ color **57.8221, 71.4087, 29.1481** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **32.7468, 25.5634, 78.0754**, and the grayscale version is **62.2625, 65.5050, 71.3349**.

A 20% lighter version of the original color is **84.8365, 95.9146, 55.1163**, and **29.1904, 37.3897, 11.4728** is the 20% darker color. If you saturate the color by 10%, you get **55.2647, 70.2383, 22.4496**, and if you desaturate by 10%, it is **60.7592, 72.7405, 37.6275**.

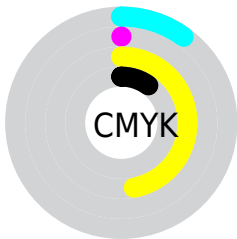
# Distribution



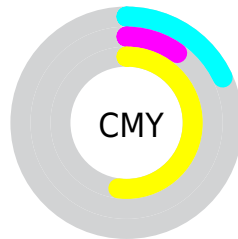
- Red (82%)
- Green (90%)
- Blue (48%)



- Red (48%)
- Yellow (90%)
- Blue (56%)



- Cyan (10%)
- Magenta (0%)
- Yellow (47%)
- Black (10%)



- Cyan (18%)
- Magenta (10%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.8221, 71.4087, 29.1481 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 57.8221, 71.4087, 29.1481 by changing the saturation by 10% instead.



57.8221, 71.4087,  
29.1481

57.8221, 71.4087,  
29.1481

406.4873,  
465.4809, 311.9959

41.9084, 52.6758,  
18.9463

100.7882,  
121.2155, 59.3573

29.2203, 37.5440,  
11.4551

128.5713,  
153.0582, 80.2018

19.3927, 25.6290,  
6.2558

161.0415,  
190.0395, 105.4310

12.0600, 16.5463,  
2.9300

198.5642,  
232.5440, 135.4634

6.8571, 9.9115,  
1.0590

241.5048,  
280.9560, 170.7175

3.4184, 5.3403,  
0.0000

290.2286,

1.3787, 2.4483,

335.6599, 211.6120

0.0000

345.1010,  
397.0400, 258.5652

■ 0.2410, 0.8506,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.8221, 71.4087,  
29.1481

■ 57.8221, 71.4087,  
29.1481

■ 55.2647, 70.2383,  
22.4496

■ 60.7592, 72.7405,  
37.6275

■ 53.0573, 69.2098,  
17.4002


■ 64.0929, 74.2330,  
47.9982


■ 51.1739, 68.3153,  
13.8574


■ 67.8452, 75.8976,  
60.3669

■ 49.5821, 67.5419,  
11.6520


■ 72.0351, 77.7417,  
74.8310


 48.2402, 66.8727,  
10.5662


 76.6800, 79.7725,  
91.4815

 47.8605, 66.6814,  
10.3483

 80.9798, 81.6700,  
106.1035

 82.5575, 82.4833,  
106.1774

 84.1763, 83.3178,  
106.2531

 85.8365, 84.1737,  
106.3308

# Harmonies

## Analogous

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



70.0829, 71.4087, 25.9222



57.8221, 71.4087, 29.1481



49.3408, 71.4087, 43.4121

# Triad

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



57.8221, 71.4087, 29.1481



54.4835, 71.4087, 152.6223



96.0304, 71.4087, 84.1866

# Complementary

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



57.8221, 71.4087, 29.1481



32.7468, 25.5634, 78.0754

# 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.



90.5435, 71.4087, 126.6341



57.8221, 71.4087, 29.1481



65.7077, 71.4087, 173.4341

# Square

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



57.8221, 71.4087, 29.1481



47.5933, 71.4087, 112.1992



79.0233, 71.4087, 162.6561



93.2204, 71.4087, 51.1932



# Rectangle

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



57.8221, 71.4087, 29.1481



46.4249, 71.4087, 60.6057



79.0233, 71.4087, 162.6561



95.0767, 71.4087, 97.8607

# Sweetspot

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



57.8238, 71.4119, 29.1496



87.2000, 96.5567, 81.2665



46.0613, 38.0558, 23.3312



18.4269, 20.5623, 16.5857



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.



57.8238, 71.4119, 29.1496



70.0297, 88.8476, 28.8460



45.2149, 64.9118, 28.5595



15.2989, 16.6612, 15.3140



27.1977, 37.8024, 5.8631



2.0827, 2.8311, 0.4367



# Inverse Universe

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



32.7468, 25.5634, 78.0754



34.9012, 24.5412, 97.5052



44.4283, 31.5855, 78.6221



13.8558, 14.0279, 18.1217



8.8267, 3.6162, 42.6160

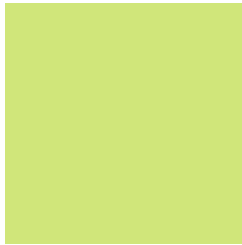


0.7276, 0.3061, 3.1527



# Previews

## White Background



This preview shows how the XYZ color 57.8221, 71.4087, 29.1481 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 57.8221, 71.4087, 29.1481 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

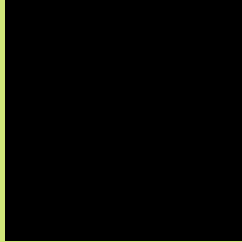
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 57.8221, 71.4087, 29.1481

## Background



This preview shows how black text looks on a background with the XYZ color 57.8221, 71.4087, 29.1481.



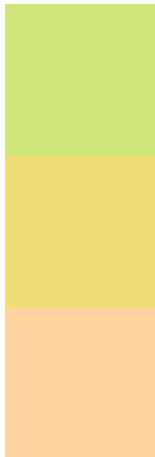
This preview shows how white text looks on a background with the XYZ color 57.8221, 71.4087,



# 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

57.8221, 71.4087, 29.1481

### Protanopia

65.4812, 71.3717, 27.4644

### Deuteranopia

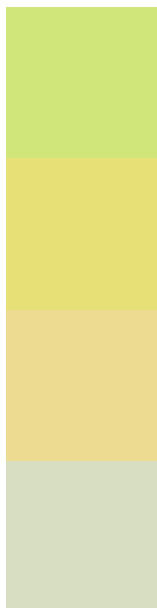
71.0415, 70.8502, 42.7320



## Tritanopia

69.4829, 70.9384, 87.8722

# Trichromacy



## Original Color

57.8221, 71.4087, 29.1481

## Protanomaly

62.6186, 71.4662, 27.9468

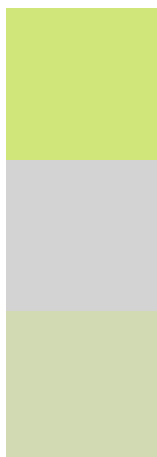
## Deuteranomaly

65.7797, 70.9155, 37.4152

## Tritanomaly

64.0658, 70.6917, 60.7203

# Monochromacy



## Original Color

57.8221, 71.4087, 29.1481

## Achromatopsia

61.9161, 65.1406, 70.9381

## Achromatomaly

59.7864, 67.0991, 52.4482

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.8221, 71.4087, 29.1481 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(208, 230, 122)` looks like.

```
.text, #text, p{  
    color:rgb(208, 230, 122)  
}
```

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(208, 230, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 230, 122) }
```

## Border

The CSS property to change the border of an element to XYZ 57.8221, 71.4087, 29.1481 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(208, 230, 122) }
```



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

```
.border{ border-color:rgb(208, 230, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 230, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 230, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 230, 122);  
box-shadow:4px 4px 4px 4px rgb(208, 230,  
122) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.8221, 71.4087, 29.1481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 230, 122) }
```

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

```
.background{ background-color: rgb(208,  
230, 122) }
```

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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