

# Converting Colors

XYZ(57.6829, 71.7995, 27.0381)

Have a look what the booklet for  
XYZ(57.6829, 71.7995, 27.0381)  
contains.

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# Color

**XYZ(57.6829, 71.7995,  
27.0381)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0E773
RGB	208, 231, 115
RGB Percent	82%, 91%, 45%
CMY	0.1843, 0.0941, 0.5490
CMYK	0.10, 0.00, 0.50, 0.09
HSL	72°, 71%, 68%
HSV	72°, 50%, 91%
XYZ	57.6829, 71.7995, 27.0381
YIQ	210.8990, 23.5280, -40.9520

# Conversions

## Conversions Part 2

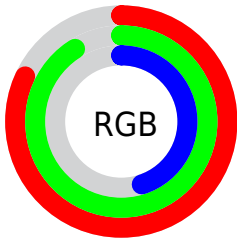
<b>Format</b>	<b>Color</b>
<b>RYB</b>	115, 231, 138
Decimal	13690739
CIELab	87.87, -24.40, 53.38
CIELCh	88, 58.692, 114.565
Yxy	71.7995, 0.3685, 0.4587
Android (android.graphics.Color)	4291880819 (0xFFD0E773)
YUV	210.8990, -47.2782, -2.5424
Hunter-Lab	84.7346, -26.7720, 40.3953

# Details

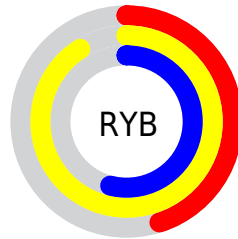
The XYZ color **57.6829, 71.7995, 27.0381** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **31.0383, 23.4360, 78.4931**, and the grayscale version is **62.1433, 65.3796, 71.1984**.

A 20% lighter version of the original color is **84.1614, 95.6446, 51.5616**, and **28.9620, 37.5871, 10.2860** is the 20% darker color. If you saturate the color by 10%, you get **55.2478, 70.6813, 20.8339**, and if you desaturate by 10%, it is **60.4917, 73.0765, 35.0011**.

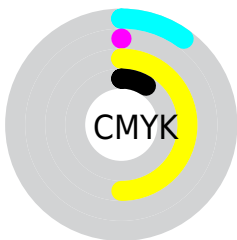
# Distribution



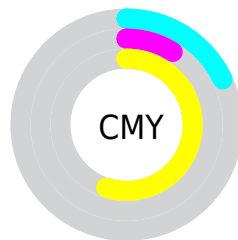
- Red (82%)
- Green (91%)
- Blue (45%)



- Red (45%)
- Yellow (91%)
- Blue (54%)



- Cyan (10%)
- Magenta (0%)
- Yellow (50%)
- Black (9%)



- Cyan (18%)
- Magenta (9%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.6829, 71.7995, 27.0381 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 57.6829, 71.7995, 27.0381 by changing the saturation by 10% instead.



■ 57.6829, 71.7995,  
27.0381

■ 57.6829, 71.7995,  
27.0381

405.9762,  
466.8434, 301.6076

■ 41.7960, 52.9949,  
17.3691

■ 100.5866,  
121.7714, 55.9495

■ 29.1320, 37.7987,  
10.3333

■ 128.3341,  
153.7076, 76.0290

■ 19.3255, 25.8265,  
5.5120

■ 160.7659,  
190.7896, 100.4158

■ 12.0111, 16.6939,  
2.4868

198.2473,  
233.4021, 129.5283

■ 6.8235, 10.0165,  
0.8331

241.1437,  
281.9293, 163.7853

■ 3.3973, 5.4099,  
0.0000

289.8204,

■ 1.3672, 2.4897,

336.7557, 203.6051

0.0000

344.6428,  
398.2656, 249.4063

■ 0.2327, 0.8715,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.6829, 71.7995,  
27.0381

■ 57.6829, 71.7995,  
27.0381

■ 55.2478, 70.6813,  
20.8339

■ 60.4917, 73.0765,  
35.0011

■ 53.1556, 69.7021,  
16.2503


■ 63.6922, 74.5120,  
44.8380


■ 51.3787, 68.8531,  
13.1361


■ 67.3070, 76.1176,  
56.6598


■ 49.8823, 68.1206,  
11.3093


■ 71.3557, 77.9012,  
70.5672

 48.6316, 67.4932,  
10.4643

 75.8564, 79.8699,  
86.6543

 80.8261, 82.0308,  
105.0094

 82.5861, 82.9123,  
106.2587

 84.1617, 83.7246,  
106.3324

 85.7770, 84.5572,  
106.4080

# Harmonies

## Analogous

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



70.8169, 71.7995, 23.9096



57.6829, 71.7995, 27.0381



48.6287, 71.7995, 41.5456

# Triad

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



57.6829, 71.7995, 27.0381



53.8358, 71.7995, 159.0139



98.5991, 71.7995, 85.6855

# Complementary

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



57.6829, 71.7995, 27.0381



31.0383, 23.4360, 78.4931

# 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.



92.5291, 71.7995, 131.7439



57.6829, 71.7995, 27.0381



65.7328, 71.7995, 182.3729

# Square

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



57.6829, 71.7995, 27.0381



46.6288, 71.7995, 114.6826



80.0198, 71.7995, 170.9892



95.6780, 71.7995, 50.3794



# Rectangle

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



57.6829, 71.7995, 27.0381



45.5044, 71.7995, 59.4536



80.0198, 71.7995, 170.9892



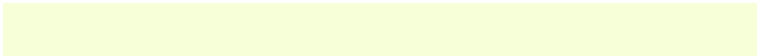
97.5201, 71.7995, 100.4697

# Sweetspot

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



57.6846, 71.8027, 27.0396



86.7559, 96.3663, 79.5033



44.8938, 35.9123, 20.7862



18.3419, 20.5261, 16.2389



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.



57.6846, 71.8027, 27.0396



69.1029, 88.4318, 25.9973



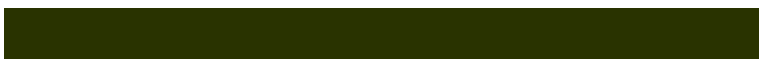
44.5719, 65.0429, 26.4260



15.3069, 16.6653, 15.3144



27.3651, 37.8887, 5.8710



2.0937, 2.8367, 0.4372



# Inverse Universe

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



31.0383, 23.4360, 78.4931



32.3708, 21.6560, 97.0816



42.8736, 29.5373, 79.0470



13.8484, 14.0241, 18.1214



8.7930, 3.5988, 42.6144

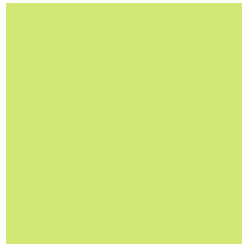


0.7241, 0.3043, 3.1525



# Previews

## White Background



This preview shows how the XYZ color 57.6829, 71.7995, 27.0381 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

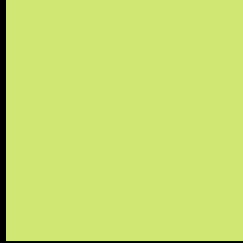
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.6829, 71.7995, 27.0381 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 57.6829, 71.7995, 27.0381**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.6829, 71.7995, 27.0381.



This preview shows how white text looks on a background with the XYZ color 57.6829, 71.7995,



# 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

57.6829, 71.7995, 27.0381

### Protanopia

65.4246, 71.3888, 25.3701

### Deuteranopia

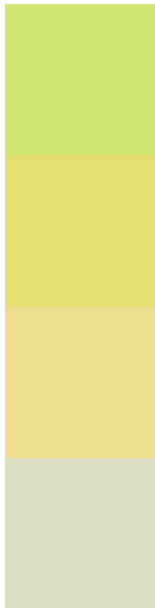
71.2923, 71.3517, 42.8156



## Tritanopia

70.1910, 71.6706, 88.7316

# Trichromacy



## Original Color

57.6829, 71.7995, 27.0381

## Protanomaly

62.2134, 71.3042, 25.8133

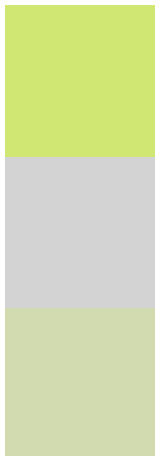
## Deuteranomaly

65.8110, 71.3467, 36.2893

## Tritanomaly

64.4069, 71.2887, 59.6557

# Monochromacy



## Original Color

57.6829, 71.7995, 27.0381

## Achromatopsia

61.9161, 65.1406, 70.9381

## Achromatomaly

59.4862, 66.9790, 50.8673

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.6829, 71.7995, 27.0381 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, 231, 115)` looks like.

```
.text, #text, p{  
    color:rgb(208, 231, 115)  
}
```

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, 231, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 231, 115) }
```

## Border

The CSS property to change the border of an element to XYZ 57.6829, 71.7995, 27.0381 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, 231, 115) }
```



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

```
.border{ border-color:rgb(208, 231, 115) }
```

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

Here you see how a box with a 4 pixel rgb(208, 231, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 231, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 231, 115);  
box-shadow:4px 4px 4px 4px rgb(208, 231,  
115) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.6829, 71.7995, 27.0381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 231, 115) }
```

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

```
.background{ background-color: rgb(208,  
231, 115) }
```

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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