

# Converting Colors

XYZ(57.1964, 70.0020, 22.4529)

Have a look what the booklet for  
XYZ(57.1964, 70.0020, 22.4529)  
contains.

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# Color

**XYZ(57.2099, 70.0044,  
22.5535)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5E364
RGB	213, 227, 100
RGB Percent	84%, 89%, 39%
CMY	0.1647, 0.1098, 0.6078
CMYK	0.06, 0.00, 0.56, 0.11
HSL	67°, 69%, 64%
HSV	67°, 56%, 89%
XYZ	57.2099, 70.0044, 22.5535
YIQ	208.3360, 32.4230, -42.4650

# Conversions

## Conversions Part 2

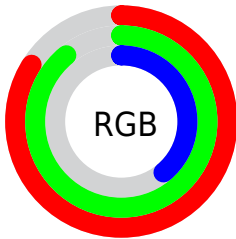
Format	Color
<b>RYB</b>	100, 227, 114
Decimal	14017380
CIELab	87.00, -21.80, 59.25
CIELCh	87, 63.132, 110.198
Yxy	70.0044, 0.3820, 0.4674
Android (android.graphics.Color)	4292207460 (0xFFD5E364)
YUV	208.3360, -53.4096, 4.0903
Hunter-Lab	83.6686, -24.3676, 42.5860

# Details

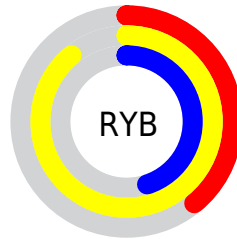
The XYZ color **57.2099, 70.0044, 22.5535** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **25.3642, 18.2395, 74.8610**, and the grayscale version is **60.4952, 63.6457, 69.3101**.

A 20% lighter version of the original color is **82.9164, 95.1466, 45.0053**, and **28.9365, 36.7624, 8.0534** is the 20% darker color. If you saturate the color by 10%, you get **55.5408, 69.2560, 17.5179**, and if you desaturate by 10%, it is **59.1996, 70.8874, 29.2044**.

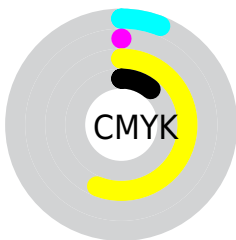
# Distribution



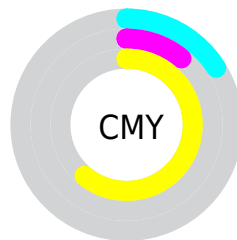
- Red (84%)
- Green (89%)
- Blue (39%)



- Red (39%)
- Yellow (89%)
- Blue (45%)



- Cyan (6%)
- Magenta (0%)
- Yellow (56%)
- Black (11%)




- Cyan (16%)
- Magenta (11%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.2099, 70.0044, 22.5535 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 57.2099, 70.0044, 22.5535 by changing the saturation by 10% instead.





 57.2099, 70.0044,  
22.5535


 57.2099, 70.0044,  
22.5535


404.2368,  
460.5655, 278.4705

 41.4146, 51.5301,  
14.0620


 99.9010, 119.2150,  
48.5730


 28.8323, 36.6307,  
8.0245


 127.5275,  
150.7202, 66.9380

 19.0976, 24.9217,  
4.0227


 159.8284,  
187.3377, 89.4313

 11.8453, 16.0187,  
1.6378

 197.1691,  
229.4521, 116.4714

 6.7098, 9.5374,  
0.3176

239.9149,  
277.4476, 148.4768

 3.3260, 5.0933,  
0.0000

288.4313,

 1.3284, 2.3021,

331.7088, 185.8661

0.0000

343.0834,  
392.6199, 229.0579

0.2043, 0.7748,  
0.0000

0.0000, 0.0000,  
0.0000

57.2099, 70.0044,  
22.5535

57.2099, 70.0044,  
22.5535

55.5408, 69.2560,  
17.5179

59.1996, 70.8874,  
29.2044

54.1611, 68.6222,  
13.9555


61.5282, 71.9046,  
37.5881


53.0420, 68.0939,  
11.7073

64.2182, 73.0678,  
47.8161


52.1458, 67.6560,  
10.5748


67.2889, 74.3845,  
59.9895


 51.8199, 67.4938,  
10.2964

 70.7581, 75.8620,  
74.2019

 74.6425, 77.5069,  
90.5410

 78.3222, 79.0712,  
105.7420

 79.1339, 79.4896,  
105.7800

 79.9572, 79.9140,  
105.8185

# Harmonies

## Analogous

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



71.4872, 70.0044, 20.9026



57.2099, 70.0044, 22.5535



47.0256, 70.0044, 35.1291

# Triad

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



57.2099, 70.0044, 22.5535



49.9708, 70.0044, 157.2871



98.6100, 70.0044, 90.9162

# Complementary

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



57.2099, 70.0044, 22.5535



25.3642, 18.2395, 74.8610

# 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.



90.8133, 70.0044, 141.0008



57.2099, 70.0044, 22.5535



61.8210, 70.0044, 187.6671

# Square

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



57.2099, 70.0044, 22.5535



43.2948, 70.0044, 107.8769



76.8266, 70.0044, 180.8008



96.8896, 70.0044, 51.4592



# Rectangle

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



57.2099, 70.0044, 22.5535



43.2444, 70.0044, 51.8675



76.8266, 70.0044, 180.8008



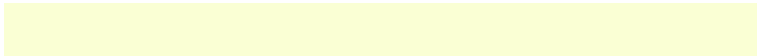
96.9760, 70.0044, 107.2114

# Sweetspot

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



57.2116, 70.0076, 22.5550



87.1025, 96.6203, 76.1149



39.8529, 28.9963, 15.5539



18.4643, 20.6040, 15.5742



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.



57.2116, 70.0076, 22.5550



72.0107, 90.0224, 21.9990



42.4973, 62.4221, 21.8663



15.4368, 16.7323, 15.3205



30.2814, 39.3921, 6.0074



2.2826, 2.9341, 0.4460



# Inverse Universe

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



25.3642, 18.2395, 74.8610



26.8246, 16.4670, 96.3724



36.3743, 23.9154, 75.3762



13.7297, 13.9629, 18.1158



8.3683, 3.3799, 42.5945



0.6679, 0.2753, 3.1499



# Previews

## White Background



This preview shows how the XYZ color 57.2099, 70.0044, 22.5535 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 57.2099, 70.0044, 22.5535 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 57.2099, 70.0044, 22.5535

## Background



This preview shows how black text looks on a background with the XYZ color 57.2099, 70.0044, 22.5535.



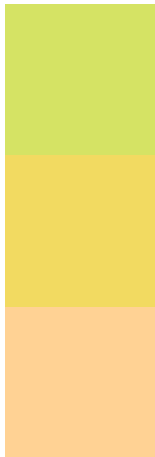
This preview shows how white text looks on a background with the XYZ color 57.2099, 70.0044,



# 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

57.2099, 70.0044, 22.5535

### Protanopia

63.8470, 69.8831, 21.4330

### Deuteranopia

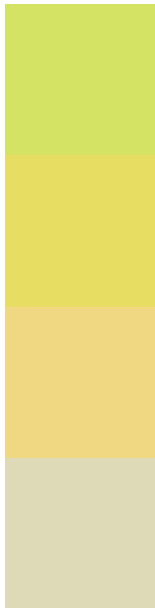
69.6319, 69.4913, 37.7601



## Tritanopia

69.7557, 69.6326, 84.6268

# Trichromacy



**Original Color**

57.2099, 70.0044, 22.5535

**Protanomaly**

61.0161, 69.5837, 21.7704

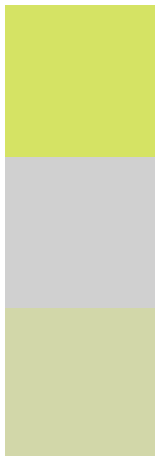
**Deuteranomaly**

64.5878, 69.2757, 31.4401

**Tritanomaly**

63.7428, 69.0913, 54.7761

# Monochromacy



**Original Color**

57.2099, 70.0044, 22.5535

**Achromatopsia**

59.9535, 63.0757, 68.6895

**Achromatomaly**

58.0402, 65.1671, 47.0556

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.2099, 70.0044, 22.5535 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(213, 227, 100)` looks like.

```
.text, #text, p{  
    color:rgb(213, 227, 100)  
}
```

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(213, 227, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 227, 100) }
```

## Border

The CSS property to change the border of an element to XYZ 57.2099, 70.0044, 22.5535 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(213, 227, 100) }
```



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

```
.border{ border-color:rgb(213, 227, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 227, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 227, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 227, 100);  
box-shadow:4px 4px 4px 4px rgb(213, 227,  
100) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.2099, 70.0044, 22.5535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 227, 100) }
```

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

```
.background{ background-color: rgb(213,  
227, 100) }
```

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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