

Converting Colors

XYZ(57.1001, 70.0632, 37.8386)

Have a look what the booklet for
XYZ(57.1001, 70.0632, 37.8386)
contains.

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Color

**XYZ(57.0191, 69.9796,
37.6963)**

Conversions

Conversions Part 1

Format	Color
Hex	C9E492
RGB	201, 228, 146
RGB Percent	79%, 89%, 57%
CMY	0.2118, 0.1059, 0.4274
CMYK	0.12, 0.00, 0.36, 0.11
HSL	80°, 60%, 73%
HSV	80°, 36%, 89%
XYZ	57.0191, 69.9796, 37.6963
YIQ	210.5790, 10.2300, -31.2260

Conversions

Conversions Part 2

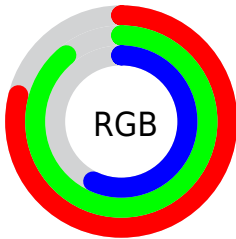
Format	Color
RYB	146, 228, 173
Decimal	13231250
CIELab	86.99, -22.21, 37.13
CIELCh	87, 43.267, 120.893
Yxy	69.9796, 0.3462, 0.4249
Android (android.graphics.Color)	4291421330 (0xFFC9E492)
YUV	210.5790, -31.8374, -8.4008
Hunter-Lab	83.6538, -24.7272, 31.8403

Details

The XYZ color **57.0191, 69.9796, 37.6963** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **41.5188, 35.0453, 77.9788**, and the grayscale version is **61.8392, 65.0597, 70.8500**.

A 20% lighter version of the original color is **87.5426, 96.9970, 69.3667**, and **28.8180, 36.8063, 16.1751** is the 20% darker color. If you saturate the color by 10%, you get **53.4506, 68.3271, 29.1765**, and if you desaturate by 10%, it is **61.0436, 71.8307, 48.0866**.

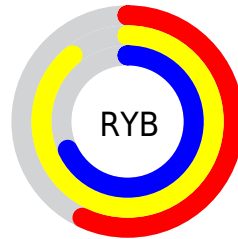
Distribution



Red (79%)

Green (89%)

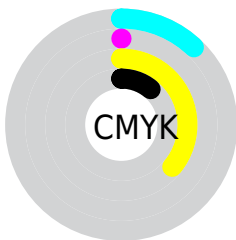
Blue (57%)



Red (57%)

Yellow (89%)

Blue (68%)

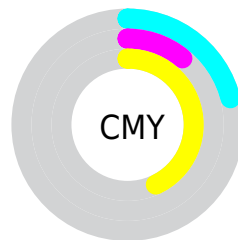


Cyan (12%)

Magenta (0%)

Yellow (36%)

Black (11%)



Cyan (21%)


Magenta (11%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.0191, 69.9796, 37.6963 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 57.0191, 69.9796, 37.6963 by changing the saturation by 10% instead.


 57.0191, 69.9796,
37.6963


 57.0191, 69.9796,
37.6963


403.5339,
460.4784, 351.5744

 41.2608, 51.5099,
25.4471

 99.6243, 119.1797,
72.8407

 28.7115, 36.6146,
16.1884


 127.2018,
150.6788, 96.5729

 19.0058, 24.9092,
9.5018


159.4498,
187.2899, 124.9698

 11.7785, 16.0094,
4.9686

196.7336,
229.3974, 158.4500

 6.6642, 9.5308,
2.1705

239.4185,
277.3855, 197.4320

 3.2974, 5.0890,
0.6572

287.8700,

 1.3129, 2.2996,

331.6388, 242.3344

0.0000

342.4533,
392.5416, 293.5757

■ 0.1929, 0.7735,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 57.0191, 69.9796,
37.6963

■ 57.0191, 69.9796,
37.6963

■ 53.4506, 68.3271,
29.1765

■ 61.0436, 71.8307,
48.0866

■ 50.3102, 66.8546,
22.4113


■ 65.5395, 73.8796,
60.4450


■ 47.5749, 65.5553,
17.2789


■ 70.5280, 76.1371,
74.8679


■ 45.2168, 64.4178,
13.6401


■ 76.0271, 78.6108,
91.4439

 43.2037, 63.4289,
11.3324


 81.2375, 80.9811,
105.9570

 41.4957, 62.5727,
10.1549

 83.8191, 82.3120,
106.0778

 40.8665, 62.2542,
9.8624

 86.5073, 83.6978,
106.2036

 87.0349, 83.9697,
106.2283

Harmonies

Analogous

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



66.2107, 69.9796, 32.9699



57.0191, 69.9796, 37.6963



50.9268, 69.9796, 52.1861

Triad

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



57.0191, 69.9796, 37.6963



57.4944, 69.9796, 135.9578



87.9166, 69.9796, 75.3307

Complementary

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



57.0191, 69.9796, 37.6963



41.5188, 35.0453, 77.9788

Split Complementary

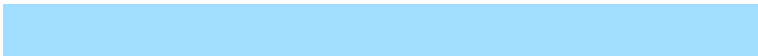
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.9944, 69.9796, 106.6287



57.0191, 69.9796, 37.6963



66.8172, 69.9796, 146.5599

Square

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



57.0191, 69.9796, 37.6963



51.1810, 69.9796, 108.5217



77.0074, 69.9796, 134.6842



84.6378, 69.9796, 51.0260

Rectangle

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



57.0191, 69.9796, 37.6963



49.0988, 69.9796, 67.7158



77.0074, 69.9796, 134.6842



87.6245, 69.9796, 85.3560

Sweetspot

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



57.0209, 69.9827, 37.6978



87.5411, 96.6132, 86.6712



51.9319, 48.0639, 33.7353



18.5512, 20.5949, 18.0147



0.0000, 0.0000, 0.0000



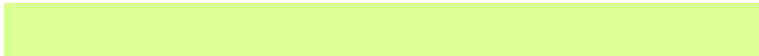
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



57.0209, 69.9827, 37.6978



70.0783, 88.6182, 40.3413



47.6386, 65.1460, 37.2587



15.1162, 16.5670, 15.3055



23.7266, 36.0130, 5.7007



1.8503, 2.7112, 0.4258

Inverse Universe

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



41.5188, 35.0453, 77.9788



47.3930, 37.4573, 99.3398



51.7159, 40.3021, 78.4560



14.0277, 14.1165, 18.1297



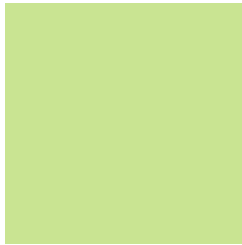
9.8770, 4.1577, 42.6651



0.8251, 0.3563, 3.1573

Previews

White Background



This preview shows how the XYZ color 57.0191, 69.9796, 37.6963 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 57.0191, 69.9796, 37.6963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

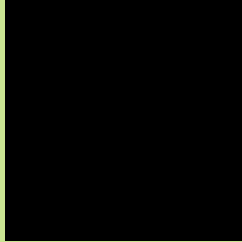
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 57.0191, 69.9796, 37.6963

Background



This preview shows how black text looks on a background with the XYZ color 57.0191, 69.9796, 37.6963.



This preview shows how white text looks on a background with the XYZ color 57.0191, 69.9796,

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

57.0191, 69.9796, 37.6963

Protanopia

64.2874, 69.4116, 35.6006

Deuteranopia

70.3856, 69.3990, 42.9433



Tritanopia

67.1047, 69.7124, 87.7609

Trichromacy



Original Color

57.0191, 69.9796, 37.6963

Protanomaly

61.2458, 69.3840, 36.1511

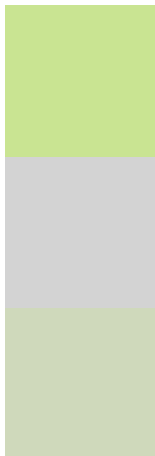
Deuteranomaly

64.7332, 69.1405, 40.9440

Tritanomaly

62.8116, 69.5325, 65.9877

Monochromacy



Original Color

57.0191, 69.9796, 37.6963

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

59.5146, 66.4790, 56.7087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.0191, 69.9796, 37.6963 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(201, 228, 146)` looks like.

```
.text, #text, p{  
    color:rgb(201, 228, 146)  
}
```

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(201, 228, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 228, 146) }
```

Border

The CSS property to change the border of an element to XYZ 57.0191, 69.9796, 37.6963 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(201, 228, 146) }
```


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

```
.border{ border-color:rgb(201, 228, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 228, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(201, 228, 146); -webkit-box-shadow:4px 4px 4px 4px rgb(201, 228, 146); box-shadow:4px 4px 4px 4px rgb(201, 228, 146) }
```

Background

The CSS property to change the background color of an element to XYZ 57.0191, 69.9796, 37.6963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 228, 146) }
```

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

```
.background{ background-color: rgb(201,  
228, 146) }
```

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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