

Converting Colors

XYZ(63.6467, 74.3176, 31.1153)

Have a look what the booklet for
XYZ(63.6467, 74.3176, 31.1153)
contains.

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Color

**XYZ(63.8061, 74.4568,
31.0873)**

Conversions

Conversions Part 1

Format	Color
Hex	E3E67F
RGB	227, 230, 127
RGB Percent	89%, 90%, 50%
CMY	0.1098, 0.0980, 0.5019
CMYK	0.01, 0.00, 0.45, 0.10
HSL	62°, 67%, 70%
HSV	62°, 45%, 90%
XYZ	63.8061, 74.4568, 31.0873
YIQ	217.3610, 31.2750, -32.6690

Conversions

Conversions Part 2

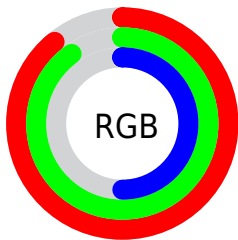
Format	Color
RYB	127, 230, 130
Decimal	14935679
CIELab	89.14, -15.38, 49.58
CIELCh	89, 51.907, 107.234
Yxy	74.4568, 0.3768, 0.4397
Android (android.graphics.Color)	4293125759 (0xFFE3E67F)
YUV	217.3610, -44.5480, 8.4534
Hunter-Lab	86.2884, -19.0124, 39.0413

Details

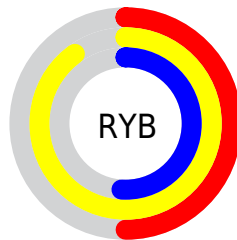
The XYZ color **63.8061, 74.4568, 31.0873** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **31.0808, 25.6395, 78.1781**, and the grayscale version is **66.4839, 69.9462, 76.1715**.

A 20% lighter version of the original color is **85.4435, 96.1574, 58.3128**, and **33.1775, 39.7140, 12.5735** is the 20% darker color. If you saturate the color by 10%, you get **62.2644, 73.8184, 24.0640**, and if you desaturate by 10%, it is **65.6944, 75.2393, 39.9158**.

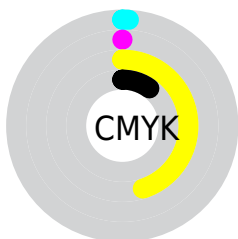
Distribution



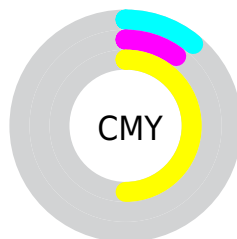
- Red (89%)
- Green (90%)
- Blue (50%)



- Red (50%)
- Yellow (90%)
- Blue (51%)



- Cyan (1%)
- Magenta (0%)
- Yellow (45%)
- Black (10%)



- Cyan (11%)
- Magenta (10%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8061, 74.4568, 31.0873 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 63.8061, 74.4568, 31.0873 by changing the saturation by 10% instead.

63.8061, 74.4568,
31.0873

63.8061, 74.4568,
31.0873

428.1024,
476.0484, 321.3040

46.7547, 55.1680,
20.4063

109.4069,
125.5431, 62.4587

33.0489, 39.5362,
12.5037

138.6871,
158.1095, 83.9861

22.3234, 27.1771,
6.9610

172.7743,
195.8704, 109.9662

14.2126, 17.7063,
3.3597

212.0338,
239.2104, 140.8174

8.3514, 10.7393,
1.2811

256.8310,
288.5138, 176.9582

4.3743, 5.8918,
0.0462

307.5313,

1.9160, 2.7794,

344.1650, 218.8072

0.0000

364.5000,
406.5484, 266.7829

■ 0.5861, 1.0177,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.8061, 74.4568,
31.0873

■ 63.8061, 74.4568,
31.0873

■ 62.2644, 73.8184,
24.0640

■ 65.6944, 75.2393,
39.9158

■ 61.0404, 73.3045,
18.7169


■ 67.9453, 76.1643,
50.6573


■ 60.1092, 72.9077,
14.9076


■ 70.5803, 77.2430,
63.4167

■ 59.4399, 72.6159,
12.4736


■ 73.6174, 78.4826,
78.2900

 58.9949, 72.4139,
11.2157


 77.0739, 79.8901,
95.3671

 58.8203, 72.3315,
10.8612

 79.3124, 80.8105,
106.0255

 79.5295, 80.9224,
106.0357

 79.7475, 81.0348,
106.0459

 79.9663, 81.1476,
106.0561

Harmonies

Analogous

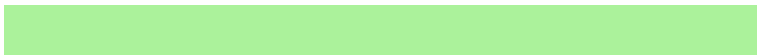
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.2797, 74.4568, 30.3516



63.8061, 74.4568, 31.0873



54.3758, 74.4568, 42.3807

Triad

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



63.8061, 74.4568, 31.0873



55.5080, 74.4568, 143.6993



97.2334, 74.4568, 97.4546

Complementary

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



63.8061, 74.4568, 31.0873



31.0808, 25.6395, 78.1781

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.



90.1644, 74.4568, 138.1500



63.8061, 74.4568, 31.0873



65.5303, 74.4568, 169.7273

Square

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



63.8061, 74.4568, 31.0873



49.9913, 74.4568, 103.5041



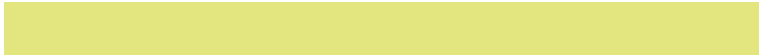
78.2208, 74.4568, 167.4382



96.6283, 74.4568, 62.1384

Rectangle

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



63.8061, 74.4568, 31.0873



50.6308, 74.4568, 56.9966



78.2208, 74.4568, 167.4382



95.6436, 74.4568, 111.1177

Sweetspot

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



63.8079, 74.4602, 31.0889



89.8097, 97.8628, 83.1578



44.2794, 33.9831, 24.3052



19.0514, 20.8766, 16.9630



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.



63.8079, 74.4602, 31.0889



78.7654, 93.3171, 30.7829



50.2126, 67.4515, 30.4526



15.5578, 16.7946, 15.3262



33.3179, 40.9575, 6.1495



2.4753, 3.0334, 0.4550

Inverse Universe

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



31.0808, 25.6395, 78.1781



32.3762, 24.1006, 97.5532



40.7474, 30.6228, 78.6305



13.6215, 13.9071, 18.1107



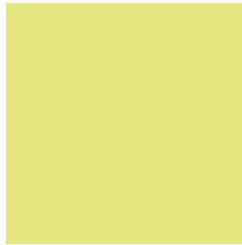
8.1514, 3.2681, 42.5844



0.6162, 0.2486, 3.1475

Previews

White Background



This preview shows how the XYZ color 63.8061, 74.4568, 31.0873 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 63.8061, 74.4568, 31.0873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

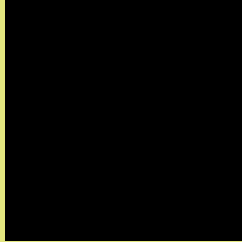
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.8061, 74.4568, 31.0873

Background



This preview shows how black text looks on a background with the XYZ color 63.8061, 74.4568, 31.0873.



This preview shows how white text looks on a background with the XYZ color 63.8061, 74.4568,

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

63.8061, 74.4568, 31.0873

Protanopia

68.3634, 74.3848, 30.1566

Deuteranopia

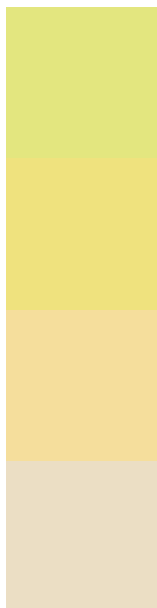
73.5957, 73.9028, 49.9209



Tritanopia

75.6634, 74.4917, 88.9877

Trichromacy



Original Color

63.8061, 74.4568, 31.0873

Protanomaly

66.5589, 74.2498, 30.5623

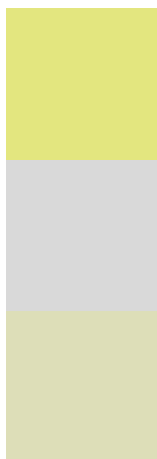
Deuteranomaly

69.7782, 74.0553, 42.0689

Tritanomaly

70.3460, 73.8902, 62.7792

Monochromacy



Original Color

63.8061, 74.4568, 31.0873

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

64.5918, 71.0754, 55.6620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8061, 74.4568, 31.0873 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(227, 230, 127)` looks like.

```
.text, #text, p{  
    color:rgb(227, 230, 127)  
}
```

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(227, 230, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 230, 127) }
```

Border

The CSS property to change the border of an element to XYZ 63.8061, 74.4568, 31.0873 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(227, 230, 127) }
```


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

```
.border{ border-color:rgb(227, 230, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 230, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 230, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 230, 127);  
box-shadow:4px 4px 4px 4px rgb(227, 230,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8061, 74.4568, 31.0873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 230, 127) }
```

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

```
.background{ background-color: rgb(227,  
230, 127) }
```

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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