

Converting Colors

XYZ(61.9002, 71.5896, 46.5420)

Have a look what the booklet for
XYZ(61.9002, 71.5896, 46.5420)
contains.

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Color

**XYZ(61.8108, 71.4420,
46.6083)**

Conversions

Conversions Part 1

Format	Color
Hex	D6E2A6
RGB	214, 226, 166
RGB Percent	84%, 89%, 65%
CMY	0.1608, 0.1137, 0.3490
CMYK	0.05, 0.00, 0.27, 0.11
HSL	72°, 51%, 77%
HSV	72°, 27%, 89%
XYZ	61.8108, 71.4420, 46.6083
YIQ	215.5720, 12.1080, -21.2040

Conversions

Conversions Part 2

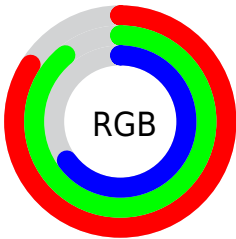
Format	Color
RYB	166, 226, 178
Decimal	14082726
CIELab	87.70, -13.79, 28.06
CIELCh	88, 31.268, 116.169
Yxy	71.4420, 0.3437, 0.3972
Android (android.graphics.Color)	4292272806 (0xFFD6E2A6)
YUV	215.5720, -24.4390, -1.3786
Hunter-Lab	84.5234, -17.3813, 26.4724

Details

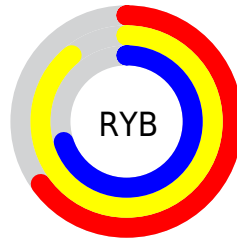
The XYZ color **61.8108, 71.4420, 46.6083** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **45.7266, 42.2303, 77.6967**, and the grayscale version is **65.1358, 68.5279, 74.6269**.

A 20% lighter version of the original color is **90.0511, 98.0005, 82.5764**, and **31.8982, 37.7117, 21.5174** is the 20% darker color. If you saturate the color by 10%, you get **58.6164, 70.0163, 36.5715**, and if you desaturate by 10%, it is **65.4099, 73.0387, 58.5687**.

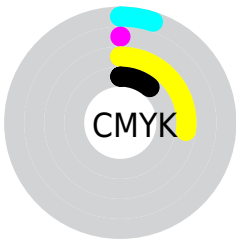
Distribution



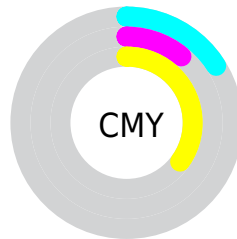
- Red (84%)
- Green (89%)
- Blue (65%)



- Red (65%)
- Yellow (89%)
- Blue (70%)



- Cyan (5%)
- Magenta (0%)
- Yellow (27%)
- Black (11%)



- Cyan (16%)
- Magenta (11%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.8108, 71.4420, 46.6083 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 61.8108, 71.4420, 46.6083 by changing the saturation by 10% instead.

61.8108, 71.4420,
46.6083

61.8108, 71.4420,
46.6083

420.9692,
465.5971, 389.5973

45.1349, 52.7030,
32.3740

106.5435,
121.2629, 86.4725

31.7654, 37.5657,
21.3801

135.3310,
153.1135, 112.9394

21.3370, 25.6458,
13.2082

168.8864,
190.1035, 144.3210

13.4845, 16.5588,
7.4397

207.5750,
232.6172, 181.0358

7.8423, 9.9205,
3.6560

251.7623,
281.0390, 223.5022

4.0451, 5.3463,
1.4386

301.8135,

1.7277, 2.4518,


335.7533, 272.1389

0.1715


358.0940,
397.1445, 327.3644


 0.4735, 0.8524,
0.0000

 0.0000, 0.0000,
0.0000


 61.8108, 71.4420,
46.6083


 61.8108, 71.4420,
46.6083


 58.6164, 70.0163,
36.5715


 65.4099, 73.0387,
58.5687

 55.8017, 68.7443,
28.3532

 69.4262, 74.8040,
72.5411

 53.3477, 67.6207,
21.8453

 73.8783, 76.7480,
88.6142

 51.2308, 66.6361,
16.9267

 78.5550, 78.7862,
105.6747

■ 49.4248, 65.7799,
13.4599

■ 80.0426, 79.5531,
105.7443

■ 47.8989, 65.0398,
11.2846

■ 81.5683, 80.3396,
105.8157

■ 46.6142, 64.4003,
10.1976

■ 83.1323, 81.1459,
105.8889

■ 46.2041, 64.1938,
9.9554

■ 84.7349, 81.9720,
105.9639

■ 86.3764, 82.8182,
106.0407

Harmonies

Analogous

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



68.8601, 71.4420, 43.7601



61.8108, 71.4420, 46.6083



56.7407, 71.4420, 57.2071

Triad

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



61.8108, 71.4420, 46.6083



60.2747, 71.4420, 116.8528



83.1373, 71.4420, 80.5471

Complementary

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



61.8108, 71.4420, 46.6083



45.7266, 42.2303, 77.6967

Split Complementary

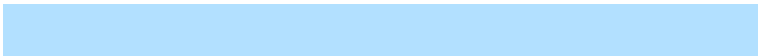
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.4420, 71.4420, 102.7939



61.8108, 71.4420, 46.6083



66.9558, 71.4420, 126.0270

Square

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



61.8108, 71.4420, 46.6083



55.9001, 71.4420, 97.2106



74.3839, 71.4420, 120.4662



81.5127, 71.4420, 61.1421

Rectangle

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



61.8108, 71.4420, 46.6083



54.9851, 71.4420, 68.4340



74.3839, 71.4420, 120.4662



82.7016, 71.4420, 87.9582

Sweetspot

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



61.8126, 71.4452, 46.6098



90.4519, 97.9891, 92.4411



54.1698, 50.7648, 43.0209



19.1843, 20.8964, 19.1666



0.0000, 0.0000, 0.0000



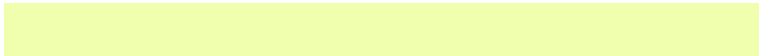
20.3446, 21.4041, 23.3091

Same Dimension

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



61.8126, 71.4452, 46.6098



78.8282, 92.8466, 53.5049



53.8489, 67.3397, 46.2371



14.5891, 15.8838, 14.6037



26.4570, 36.6716, 5.6839



1.9030, 2.5775, 0.3972

Inverse Universe

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



45.7266, 42.2303, 77.6967



54.2373, 48.1727, 101.0474



53.3785, 46.1750, 78.0548



13.2069, 13.3747, 17.2732



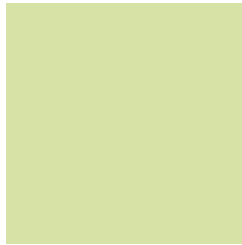
8.5316, 3.4935, 41.2730



0.6642, 0.2797, 2.8642

Previews

White Background



This preview shows how the XYZ color 61.8108, 71.4420, 46.6083 looks on a white background.

Color Contrast Check

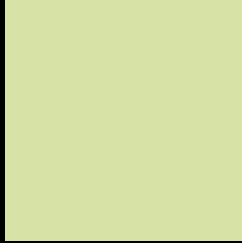
Large Text (above 18pt) WCAG AA × Fail

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 61.8108, 71.4420, 46.6083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

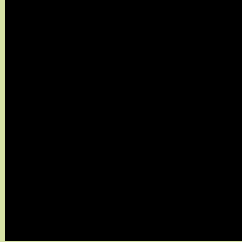
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

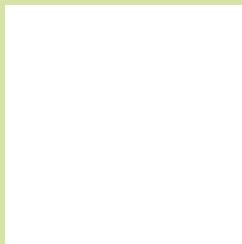
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 61.8108, 71.4420, 46.6083

Background



This preview shows how black text looks on a background with the XYZ color 61.8108, 71.4420, 46.6083.



This preview shows how white text looks on a background with the XYZ color 61.8108, 71.4420,

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

61.8108, 71.4420, 46.6083

Protanopia

66.5344, 71.1402, 44.8750

Deuteranopia

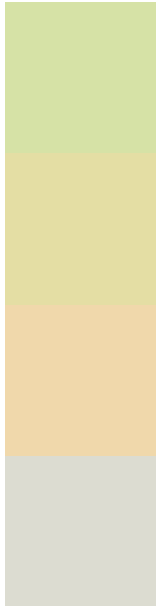
72.1742, 70.9045, 49.9263



Tritanopia

70.0956, 71.2542, 87.9009

Trichromacy



Original Color

61.8108, 71.4420, 46.6083

Protanomaly

64.8170, 71.4169, 45.4906

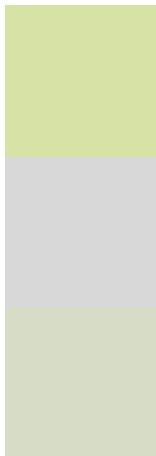
Deuteranomaly

67.8417, 70.5773, 48.5752

Tritanomaly

66.6170, 71.0055, 70.5159

Monochromacy



Original Color

61.8108, 71.4420, 46.6083

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

63.8106, 69.7107, 63.5184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.8108, 71.4420, 46.6083 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(214, 226, 166)` looks like.

```
.text, #text, p{  
    color:rgb(214, 226, 166)  
}
```

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(214, 226, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 226, 166) }
```

Border

The CSS property to change the border of an element to XYZ 61.8108, 71.4420, 46.6083 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(214, 226, 166) }
```


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

```
.border{ border-color:rgb(214, 226, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 226, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 226, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 226, 166);  
box-shadow:4px 4px 4px 4px rgb(214, 226,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 61.8108, 71.4420, 46.6083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 226, 166) }
```

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

```
.background{ background-color: rgb(214,  
226, 166) }
```

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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