

Converting Colors

XYZ(63.2448, 73.3832, 31.5577)

Have a look what the booklet for
XYZ(63.2448, 73.3832, 31.5577)
contains.

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Color

**XYZ(63.0699, 73.2405,
31.5816)**

Conversions

Conversions Part 1

Format	Color
Hex	E2E481
RGB	226, 228, 129
RGB Percent	89%, 89%, 51%
CMY	0.1137, 0.1059, 0.4941
CMYK	0.01, 0.00, 0.43, 0.11
HSL	61°, 65%, 70%
HSV	61°, 43%, 89%
XYZ	63.0699, 73.2405, 31.5816
YIQ	216.1160, 30.5870, -31.2130

Conversions

Conversions Part 2

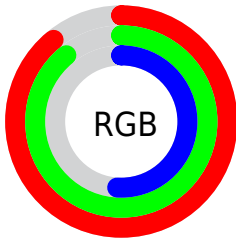
Format	Color
R_{YB}	129, 228, 131
Decimal	14869633
CIE _{Lab}	88.56, -14.59, 47.89
CIE _{LCh}	89, 50.062, 106.941
Yxy	73.2405, 0.3757, 0.4362
Android (android.graphics.Color)	4293059713 (0xFFE2E481)
YUV	216.1160, -42.9482, 8.6683
Hunter-Lab	85.5807, -18.2180, 38.0268

Details

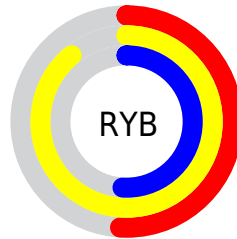
The XYZ color **63.0699, 73.2405, 31.5816** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **31.2165, 26.1290, 76.8012**, and the grayscale version is **65.6199, 69.0372, 75.1815**.

A 20% lighter version of the original color is **85.5472, 96.1989, 58.8592**, and **32.6453, 38.8580, 12.8009** is the 20% darker color. If you saturate the color by 10%, you get **61.5764, 72.6290, 24.4643**, and if you desaturate by 10%, it is **64.9055, 73.9941, 40.4829**.

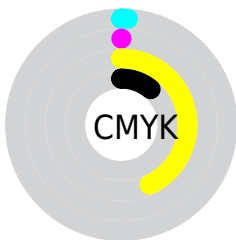
Distribution



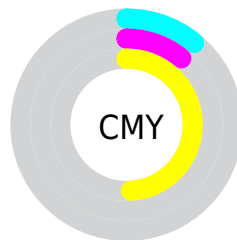
- Red (89%)
- Green (89%)
- Blue (51%)



- Red (51%)
- Yellow (89%)
- Blue (51%)



- Cyan (1%)
- Magenta (0%)
- Yellow (43%)
- Black (11%)



- Cyan (11%)
- Magenta (11%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.0699, 73.2405, 31.5816 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 63.0699, 73.2405, 31.5816 by changing the saturation by 10% instead.

63.0699, 73.2405,
31.5816

63.0699, 73.2405,
31.5816

425.4788,
471.8479, 323.6427

46.1566, 54.1726,
20.7800

108.3516,
123.8186, 63.2449

32.5746, 38.7397,
12.7736

137.4507,
156.0976, 84.9436

21.9584, 26.5573,
7.1439

171.3425,
193.5491, 111.1117

13.9428, 17.2410,
3.4725

210.3923,
236.5575, 142.1678

8.1623, 10.4065,
1.3406

254.9655,
285.5072, 178.5304

4.2517, 5.6693,
0.0948

305.4274,

1.8455, 2.6450,

340.7825, 220.6180

0.0000

362.1433,
402.7680, 268.8493

■ 0.5448, 0.9494,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.0699, 73.2405,
31.5816

■ 63.0699, 73.2405,
31.5816

■ 61.5764, 72.6290,
24.4643

■ 64.9055, 73.9941,
40.4829

■ 60.3970, 72.1406,
19.0064


■ 67.0986, 74.8882,
51.2722


■ 59.5078, 71.7683,
15.0750


■ 69.6699, 75.9335,
64.0514


■ 58.8793, 71.5003,
12.5146


■ 72.6371, 77.1373,
78.9134

 58.4758, 71.3224,
11.1365


 76.0168, 78.5061,
95.9453

 58.2956, 71.2394,
10.6781

 78.0353, 79.3305,
105.8072

 78.1827, 79.4065,
105.8141

 78.3306, 79.4827,
105.8210

 78.4788, 79.5591,
105.8279

Harmonies

Analogous

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



74.9870, 73.2405, 30.9576



63.0699, 73.2405, 31.5816



54.0021, 73.2405, 42.4442

Triad

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



63.0699, 73.2405, 31.5816



54.9458, 73.2405, 138.8024



94.7435, 73.2405, 95.7192

Complementary

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



63.0699, 73.2405, 31.5816



31.2165, 26.1290, 76.8012

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.



87.9748, 73.2405, 134.2482



63.0699, 73.2405, 31.5816



64.5019, 73.2405, 163.5487

Square

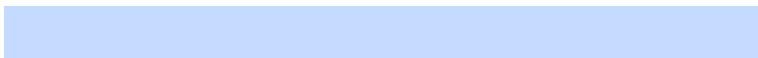
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.0699, 73.2405, 31.5816



49.6967, 73.2405, 100.7136



76.5935, 73.2405, 161.6756



94.2449, 73.2405, 61.9122

Rectangle

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



63.0699, 73.2405, 31.5816



50.3761, 73.2405, 56.4530



76.5935, 73.2405, 161.6756



93.2124, 73.2405, 108.7003

Sweetspot

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



63.0717, 73.2438, 31.5831



89.9180, 97.9187, 83.1629



44.0292, 34.2195, 25.0543



19.0785, 20.8905, 16.9643



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.



63.0717, 73.2438, 31.5831



79.5562, 93.6891, 32.4333



49.8060, 66.4051, 30.9623



15.5712, 16.8015, 15.3268



33.6731, 41.1406, 6.1662



2.4976, 3.0449, 0.4561

Inverse Universe

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



31.2165, 26.1290, 76.8012



33.5288, 25.6040, 97.7826



40.7134, 31.0249, 77.2456



13.6097, 13.9010, 18.1102



8.1315, 3.2578, 42.5834



0.6105, 0.2457, 3.1472

Previews

White Background



This preview shows how the XYZ color 63.0699, 73.2405, 31.5816 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 63.0699, 73.2405, 31.5816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

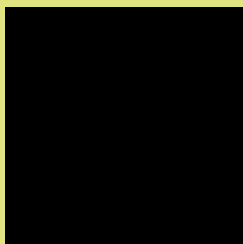
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.0699, 73.2405, 31.5816

Background



This preview shows how black text looks on a background with the XYZ color 63.0699, 73.2405, 31.5816.



This preview shows how white text looks on a background with the XYZ color 63.0699, 73.2405,

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

63.0699, 73.2405, 31.5816

Protanopia

67.2603, 73.0080, 30.6256

Deuteranopia

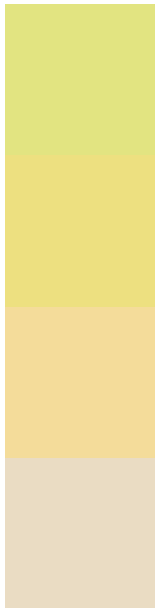
72.7019, 72.7255, 47.7417



Tritanopia

74.5237, 73.1721, 87.2866

Trichromacy



Original Color

63.0699, 73.2405, 31.5816

Protanomaly

65.4770, 72.8743, 31.0372

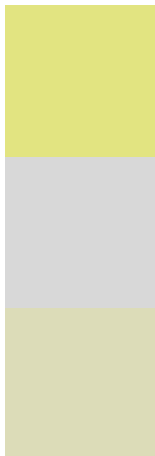
Deuteranomaly

68.7342, 72.7526, 40.9918

Tritanomaly

69.3752, 72.6190, 61.9902

Monochromacy



Original Color

63.0699, 73.2405, 31.5816

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

63.7601, 69.8627, 55.4717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.0699, 73.2405, 31.5816 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(226, 228, 129)` looks like.

```
.text, #text, p{  
    color:rgb(226, 228, 129)  
}
```

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(226, 228, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 228, 129) }
```

Border

The CSS property to change the border of an element to XYZ 63.0699, 73.2405, 31.5816 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(226, 228, 129) }
```


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

```
.border{ border-color:rgb(226, 228, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 228, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 228, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 228, 129); box-shadow:4px 4px 4px 4px rgb(226, 228, 129) }
```

Background

The CSS property to change the background color of an element to XYZ 63.0699, 73.2405, 31.5816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 228, 129) }
```

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

```
.background{ background-color: rgb(226,  
228, 129) }
```

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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