

Converting Colors

XYZ(63.8020, 73.6980, 31.5643)

Have a look what the booklet for
XYZ(63.8020, 73.6980, 31.5643)
contains.

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Color

**XYZ(63.7008, 73.5658,
31.6111)**

Conversions

Conversions Part 1

Format	Color
Hex	E4E481
RGB	228, 228, 129
RGB Percent	89%, 89%, 51%
CMY	0.1059, 0.1059, 0.4941
CMYK	0.00, 0.00, 0.43, 0.11
HSL	60°, 65%, 70%
HSV	60°, 43%, 89%
XYZ	63.7008, 73.5658, 31.6111
YIQ	216.7140, 31.7790, -30.7890

Conversions

Conversions Part 2

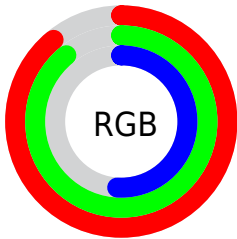
Format	Color
R_{YB}	129, 228, 129
Decimal	15000705
CIE _{Lab}	88.72, -13.80, 48.12
CIE _{LCh}	89, 50.056, 106.009
Yxy	73.5658, 0.3772, 0.4356
Android (android.graphics.Color)	4293190785 (0xFFE4E481)
YUV	216.7140, -43.2430, 9.8978
Hunter-Lab	85.7705, -17.5284, 38.1878

Details

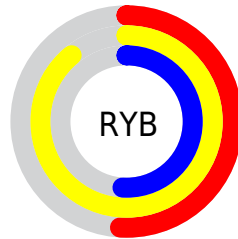
The XYZ color **63.7008, 73.5658, 31.6111** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **30.9097, 25.9708, 76.7870**, and the grayscale version is **66.0305, 69.4693, 75.6520**.

A 20% lighter version of the original color is **85.5472, 96.1989, 58.8592**, and **33.0777, 39.0809, 12.8212** is the 20% darker color. If you saturate the color by 10%, you get **62.3516, 73.0287, 24.5005**, and if you desaturate by 10%, it is **65.3918, 74.2449, 40.5056**.

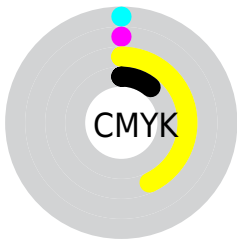
Distribution



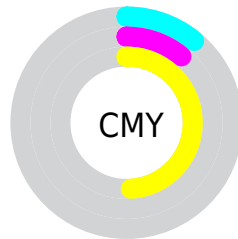
- Red (89%)
- Green (89%)
- Blue (51%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7008, 73.5658, 31.6111 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 63.7008, 73.5658, 31.6111 by changing the saturation by 10% instead.

63.7008, 73.5658,
31.6111

63.7008, 73.5658,
31.6111

427.7277,
472.9734, 323.7818

46.6692, 54.4387,
20.8023

109.2561,
124.2801, 63.2917

32.9810, 38.9525,
12.7897

138.5104,
156.6361, 85.0006

22.2711, 26.7228,
7.1549

172.5697,
194.1706, 111.1799

14.1739, 17.3651,
3.4792

211.7993,
237.2679, 142.2482

8.3243, 10.4952,
1.3442

256.5645,
286.3125, 178.6240

4.3567, 5.7285,
0.0976

307.2308,

1.9058, 2.6807,

341.6886, 220.7258

0.0000

364.1634,
403.7808, 268.9722

■ 0.5802, 0.9674,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.7008, 73.5658,
31.6111

■ 63.7008, 73.5658,
31.6111

■ 62.3516, 73.0287,
24.5005

■ 65.3918, 74.2449,
40.5056

■ 61.3159, 72.6144,
19.0494


■ 67.4399, 75.0642,
51.2882

■ 60.5702, 72.3161,
15.1247


■ 69.8658, 76.0346,
64.0605


■ 60.0848, 72.1218,
12.5710


■ 72.6872, 77.1632,
78.9157


 59.8239, 72.0174,
11.1996


 75.9207, 78.4567,
95.9408

 59.7374, 71.9828,
10.7456

 77.7926, 79.2055,
105.7958

 77.7931, 79.2057,
105.7958

 77.7935, 79.2060,
105.7959

 77.7940, 79.2062,
105.7959

Harmonies

Analogous

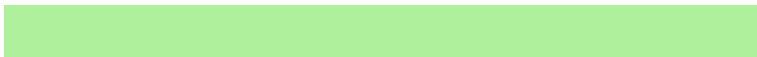
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.6987, 73.5658, 31.2856



63.7008, 73.5658, 31.6111



54.4855, 73.5658, 42.1658

Triad

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



63.7008, 73.5658, 31.6111



54.9773, 73.5658, 138.2290



95.0112, 73.5658, 97.3126

Complementary

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



63.7008, 73.5658, 31.6111



30.9097, 25.9708, 76.7870

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.



88.0294, 73.5658, 135.8568



63.7008, 73.5658, 31.6111



64.4471, 73.5658, 163.6989

Square

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



63.7008, 73.5658, 31.6111



49.8601, 73.5658, 99.9148



76.5358, 73.5658, 162.7233



94.7514, 73.5658, 63.0962

Rectangle

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



63.7008, 73.5658, 31.6111



50.7494, 73.5658, 55.9504



76.5358, 73.5658, 162.7233



93.4014, 73.5658, 110.3584

Sweetspot

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



63.7026, 73.5692, 31.6126



90.1640, 98.0455, 83.1744



43.8101, 33.7813, 24.9812



19.1401, 20.9223, 16.9671



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.



63.7026, 73.5692, 31.6126



80.5347, 94.1935, 32.4791



50.1838, 66.6000, 30.9800



15.6016, 16.8172, 15.3282



34.4926, 41.5631, 6.2045



2.5489, 3.0714, 0.4585

Inverse Universe

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



30.9097, 25.9708, 76.7870



33.1427, 25.4049, 97.7646



40.3311, 30.8278, 77.2279



13.5830, 13.8872, 18.1089



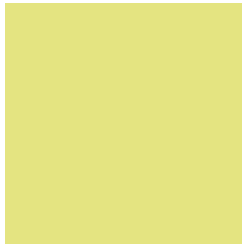
8.0863, 3.2345, 42.5813



0.5976, 0.2390, 3.1466

Previews

White Background



This preview shows how the XYZ color 63.7008, 73.5658, 31.6111 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 63.7008, 73.5658, 31.6111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

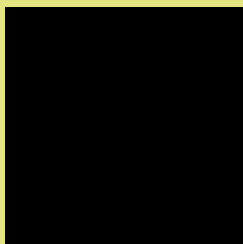
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.7008, 73.5658, 31.6111

Background



This preview shows how black text looks on a background with the XYZ color 63.7008, 73.5658, 31.6111.

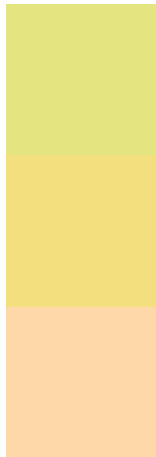


This preview shows how white text looks on a background with the XYZ color 63.7008, 73.5658,

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

63.7008, 73.5658, 31.6111

Protanopia

67.5267, 73.5408, 30.7144

Deuteranopia

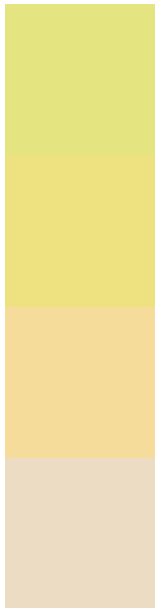
73.0516, 73.2740, 48.3233



Tritanopia

74.8605, 73.3456, 87.3023

Trichromacy



Original Color

63.7008, 73.5658, 31.6111

Protanomaly

66.0814, 73.5861, 31.1427

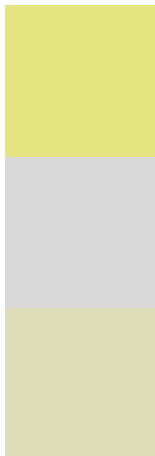
Deuteranomaly

69.1658, 72.9654, 41.4487

Tritanomaly

69.7045, 72.7887, 62.0056

Monochromacy



Original Color

63.7008, 73.5658, 31.6111

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

64.4322, 70.5878, 56.1278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7008, 73.5658, 31.6111 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(228, 228, 129)` looks like.

```
.text, #text, p{  
    color:rgb(228, 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(228, 228, 129) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 63.7008, 73.5658, 31.6111 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(228, 228, 129) }
```


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

```
.border{ border-color:rgb(228, 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(228, 228, 129)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 63.7008, 73.5658, 31.6111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(228,  
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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