

Converting Colors

XYZ(63.4406, 73.1463, 31.9141)

Have a look what the booklet for
XYZ(63.4406, 73.1463, 31.9141)
contains.

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Color

**XYZ(63.4933, 73.0439,
31.8715)**

Conversions

Conversions Part 1

Format	Color
Hex	E4E382
RGB	228, 227, 130
RGB Percent	89%, 89%, 51%
CMY	0.1059, 0.1098, 0.4902
CMYK	0.00, 0.00, 0.43, 0.11
HSL	59°, 64%, 70%
HSV	59°, 43%, 89%
XYZ	63.4933, 73.0439, 31.8715
YIQ	216.2410, 31.7330, -29.9550

Conversions

Conversions Part 2

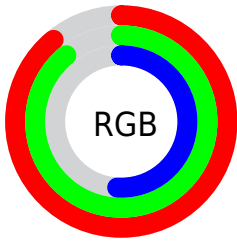
Format	Color
RYB	131, 228, 130
Decimal	15000450
CIELab	88.47, -13.21, 47.32
CIELCh	88, 49.134, 105.597
Yxy	73.0439, 0.3770, 0.4337
Android (android.graphics.Color)	4293190530 (0xFFE4E382)
YUV	216.2410, -42.5168, 10.3126
Hunter-Lab	85.4657, -16.9557, 37.7158

Details

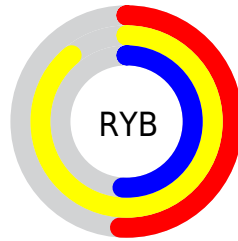
The XYZ color **63.4933, 73.0439, 31.8715** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **31.3258, 26.5791, 76.8780**, and the grayscale version is **65.7019, 69.1235, 75.2755**.

A 20% lighter version of the original color is **85.6517, 96.2407, 59.4094**, and **32.9223, 38.7130, 12.9449** is the 20% darker color. If you saturate the color by 10%, you get **62.0669, 72.3749, 24.6644**, and if you desaturate by 10%, it is **65.2624, 73.8554, 40.8674**.

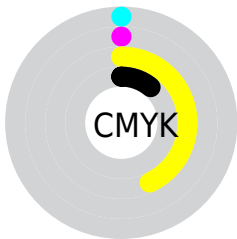
Distribution



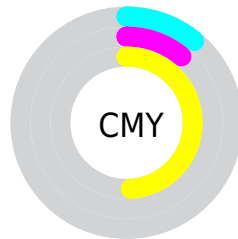
- Red (89%)
- Green (89%)
- Blue (51%)



- 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 63.4933, 73.0439, 31.8715 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 63.4933, 73.0439, 31.8715 by changing the saturation by 10% instead.

63.4933, 73.0439,
31.8715

63.4933, 73.0439,
31.8715

426.9888,
471.1669, 325.0081

46.5005, 54.0119,
20.9994

108.9587,
123.5395, 63.7052

32.8473, 38.6111,
12.9323

138.1621,
155.7719, 85.5037

22.1682, 26.4574,
7.2518

172.1663,
193.1732, 111.7816

14.0978, 17.1661,
3.5392

211.3369,
236.1278, 142.9572

8.2709, 10.3530,
1.3761

256.0390,
285.0200, 179.4491

4.3220, 5.6336,
0.1230

306.6382,

1.8859, 2.6236,

340.2344, 221.6759

0.0000

363.4997,
402.1552, 270.0560

■ 0.5686, 0.9385,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.4933, 73.0439,
31.8715

■ 63.4933, 73.0439,
31.8715

■ 62.0669, 72.3749,
24.6644

■ 65.2624, 73.8554,
40.8674

■ 60.9554, 71.8292,
19.1222


■ 67.3895, 74.8077,
51.7560


■ 60.1349, 71.4002,
15.1126


■ 69.8953, 75.9115,
64.6384


■ 59.5763, 71.0760,
12.4814


■ 72.7975, 77.1741,
79.6075


 59.2440, 70.8425,
11.0418


 76.1125, 78.6019,
96.7502

 59.1064, 70.7169,
10.5345

 77.8967, 79.4175,
105.8313

 77.9605, 79.5451,
105.8525

 78.0244, 79.6729,
105.8738

 78.0883, 79.8008,
105.8951

Harmonies

Analogous

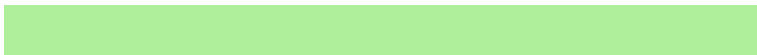
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.2339, 73.0439, 31.6812



63.4933, 73.0439, 31.8715



54.4225, 73.0439, 42.1307

Triad

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



63.4933, 73.0439, 31.8715



54.7076, 73.0439, 135.6828



93.8462, 73.0439, 96.8457

Complementary

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



63.4933, 73.0439, 31.8715



31.3258, 26.5791, 76.8780

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.



86.9609, 73.0439, 134.3189



63.4933, 73.0439, 31.8715



63.9250, 73.0439, 160.6957

Square

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



63.4933, 73.0439, 31.8715



49.7566, 73.0439, 98.3465



75.7173, 73.0439, 160.1356



93.6965, 73.0439, 63.2852

Rectangle

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



63.4933, 73.0439, 31.8715



50.7186, 73.0439, 55.5584



75.7173, 73.0439, 160.1356



92.2464, 73.0439, 109.5678

Sweetspot

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



63.4951, 73.0472, 31.8730



90.0576, 97.8316, 83.1387



44.1179, 34.1159, 25.9592



19.1134, 20.8687, 16.9582



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.



63.4951, 73.0472, 31.8730



80.1102, 93.3400, 32.3367



50.7433, 66.8782, 31.3544



15.5884, 16.7908, 15.3238



34.1360, 40.8461, 6.0849



2.5266, 3.0265, 0.4510

Inverse Universe

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



31.3258, 26.5791, 76.8780



33.3085, 25.7383, 97.8202



40.2020, 30.9578, 77.2553



13.5945, 13.9105, 18.1128



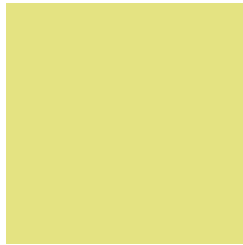
8.1058, 3.2738, 42.5878



0.6032, 0.2502, 3.1485

Previews

White Background



This preview shows how the XYZ color 63.4933, 73.0439, 31.8715 looks on a white background.

Color Contrast Check

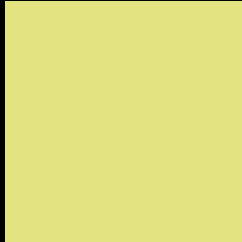
Large Text (above 18pt) WCAG AA × Fail

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 63.4933, 73.0439, 31.8715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

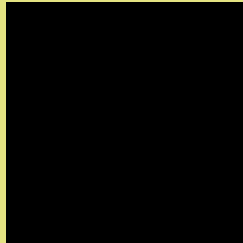
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.4933, 73.0439, 31.8715

Background



This preview shows how black text looks on a background with the XYZ color 63.4933, 73.0439, 31.8715.



This preview shows how white text looks on a background with the XYZ color 63.4933, 73.0439,

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

63.4933, 73.0439, 31.8715

Protanopia

66.9797, 72.8558, 30.9544

Deuteranopia

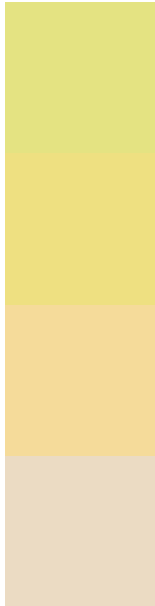
72.6083, 72.6880, 47.2491



Tritanopia

74.4625, 72.7778, 86.4669

Trichromacy



Original Color

63.4933, 73.0439, 31.8715

Protanomaly

65.8780, 73.0734, 31.4013

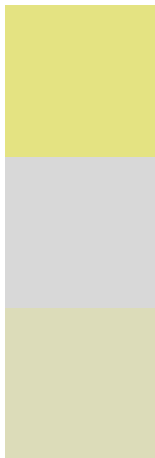
Deuteranomaly

68.8204, 72.4086, 40.9209

Tritanomaly

69.4428, 72.2653, 61.9183

Monochromacy



Original Color

63.4933, 73.0439, 31.8715

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

63.8654, 69.9048, 56.0259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4933, 73.0439, 31.8715 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, 227, 130)` looks like.

```
.text, #text, p{  
    color:rgb(228, 227, 130)  
}
```

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, 227, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 227, 130) }
```

Border

The CSS property to change the border of an element to XYZ 63.4933, 73.0439, 31.8715 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, 227, 130) }
```


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

```
.border{ border-color:rgb(228, 227, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 227, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 227, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 227, 130);  
box-shadow:4px 4px 4px 4px rgb(228, 227,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4933, 73.0439, 31.8715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 227, 130) }
```

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

```
.background{ background-color: rgb(228,  
227, 130) }
```

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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