

Converting Colors

XYZ(63.7505, 73.5565, 31.9575)

Have a look what the booklet for
XYZ(63.7505, 73.5565, 31.9575)
contains.

XYZ(63.7676, 73.5925, 31.9630)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(63.7676, 73.5925,
31.9630)**

Conversions

Conversions Part 1

Format	Color
Hex	E4E482
RGB	228, 228, 130
RGB Percent	89%, 89%, 51%
CMY	0.1059, 0.1059, 0.4902
CMYK	0.00, 0.00, 0.43, 0.11
HSL	60°, 64%, 70%
HSV	60°, 43%, 89%
XYZ	63.7676, 73.5925, 31.9630
YIQ	216.8280, 31.4580, -30.4780

Conversions

Conversions Part 2

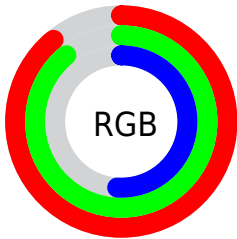
Format	Color
RYB	130, 228, 130
Decimal	15000706
CIELab	88.73, -13.71, 47.65
CIELCh	89, 49.580, 106.048
Yxy	73.5925, 0.3766, 0.4346
Android (android.graphics.Color)	4293190786 (0xFFE4E482)
YUV	216.8280, -42.8062, 9.7978
Hunter-Lab	85.7861, -17.4407, 37.9594

Details

The XYZ color **63.7676, 73.5925, 31.9630** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **31.1947, 26.3143, 76.8382**, and the grayscale version is **66.1060, 69.5486, 75.7385**.

A 20% lighter version of the original color is **85.6517, 96.2407, 59.4094**, and **33.1133, 39.0951, 13.0086** is the 20% darker color. If you saturate the color by 10%, you get **62.4040, 73.0496, 24.7767**, and if you desaturate by 10%, it is **65.4739, 74.2777, 40.9382**.

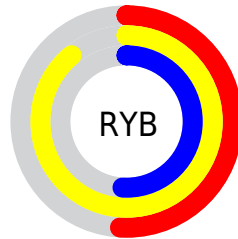
Distribution



Red (89%)

Green (89%)

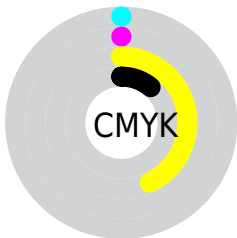
Blue (51%)



Red (51%)

Yellow (89%)

Blue (51%)

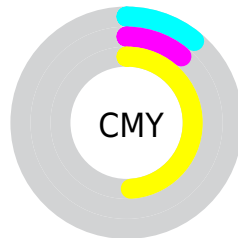


Cyan (0%)

Magenta (0%)

Yellow (43%)

Black (11%)



Cyan (11%)


Magenta (11%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.7676, 73.5925, 31.9630 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 63.7676, 73.5925, 31.9630 by changing the saturation by 10% instead.


 63.7676, 73.5925,
31.9630


 63.7676, 73.5925,
31.9630


427.9655,
473.0658, 325.4382


 46.7234, 54.4606,
21.0687


 109.3518,
124.3180, 63.8503

 33.0241, 38.9700,
12.9825


 138.6225,
156.6803, 85.6804

 22.3042, 26.7364,
7.2859


 172.6995,
194.2216, 111.9927

 14.1985, 17.3753,
3.5604

211.9481,
237.3262, 143.2060

 8.3415, 10.5025,
1.3874

256.7336,
286.3785, 179.7386

 4.3678, 5.7334,
0.1319

307.4214,

 1.9123, 2.6836,

341.7630, 222.0091

0.0000

364.3769,
403.8639, 270.4362

■ 0.5840, 0.9689,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.7676, 73.5925,
31.9630

■ 63.7676, 73.5925,
31.9630

■ 62.4040, 73.0496,
24.7767

■ 65.4739, 74.2777,
40.9382

■ 61.3550, 72.6300,
19.2555


■ 67.5382, 75.1035,
51.8060

■ 60.5972, 72.3268,
15.2669


■ 69.9811, 76.0807,
64.6678


■ 60.1010, 72.1283,
12.6567


■ 72.8203, 77.2164,
79.6163


 59.8312, 72.0203,
11.2381


 76.0722, 78.5173,
96.7386

 59.7374, 71.9827,
10.7456

 77.7926, 79.2055,
105.7958

 77.7931, 79.2057,
105.7958

 77.7935, 79.2059,
105.7959

 77.7940, 79.2062,
105.7959

Harmonies

Analogous

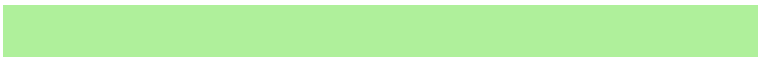
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.6526, 73.5925, 31.6254



63.7676, 73.5925, 31.9630



54.6326, 73.5925, 42.4944

Triad

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



63.7676, 73.5925, 31.9630



55.1400, 73.5925, 137.6608



94.7835, 73.5925, 97.1204

Complementary

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



63.7676, 73.5925, 31.9630



31.1947, 26.3143, 76.8382

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.



87.8862, 73.5925, 135.2253



63.7676, 73.5925, 31.9630



64.5366, 73.5925, 162.7738

Square

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



63.7676, 73.5925, 31.9630



50.0541, 73.5925, 99.7969



76.5142, 73.5925, 161.7732



94.5164, 73.5925, 63.2327

Rectangle

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



63.7676, 73.5925, 31.9630



50.9284, 73.5925, 56.2099



76.5142, 73.5925, 161.7732



93.1948, 73.5925, 110.0233

Sweetspot

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



63.7694, 73.5959, 31.9645



90.1640, 98.0455, 83.1744



44.0093, 34.0728, 25.3773



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.



63.7694, 73.5959, 31.9645



80.5346, 94.1935, 32.4791



50.3660, 66.6861, 31.3373



15.6016, 16.8172, 15.3282



34.4925, 41.5630, 6.2045



2.5489, 3.0714, 0.4585

Inverse Universe

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



31.1947, 26.3143, 76.8382



33.1427, 25.4049, 97.7646



40.5789, 31.1520, 77.2774



13.5830, 13.8872, 18.1089



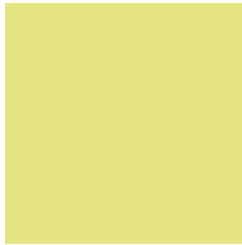
8.0863, 3.2345, 42.5813



0.5976, 0.2390, 3.1466

Previews

White Background



This preview shows how the XYZ color 63.7676, 73.5925, 31.9630 looks on a white background.

Color Contrast Check

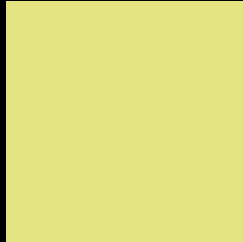
Large Text (above 18pt) WCAG AA × Fail

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 63.7676, 73.5925, 31.9630 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 63.7676, 73.5925, 31.9630

Background



This preview shows how black text looks on a background with the XYZ color 63.7676, 73.5925, 31.9630.



This preview shows how white text looks on a background with the XYZ color 63.7676, 73.5925,

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

63.7676, 73.5925, 31.9630

Protanopia

67.5922, 73.5670, 31.0594

Deuteranopia

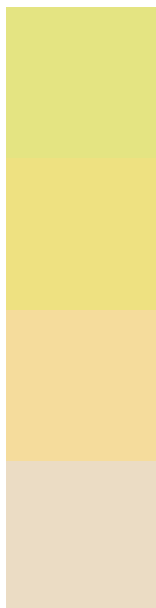
73.1466, 73.3120, 48.8235



Tritanopia

74.8605, 73.3456, 87.3023

Trichromacy



Original Color

63.7676, 73.5925, 31.9630

Protanomaly

66.1476, 73.6125, 31.4912

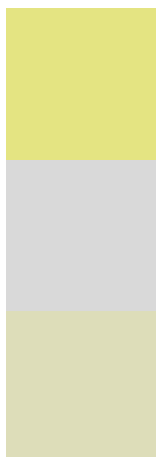
Deuteranomaly

69.2501, 72.9992, 41.8929

Tritanomaly

69.8180, 72.8341, 62.6031

Monochromacy



Original Color

63.7676, 73.5925, 31.9630

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 63.7676, 73.5925, 31.9630 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, 130)` looks like.

```
.text, #text, p{  
    color:rgb(228, 228, 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, 228, 130) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 63.7676, 73.5925, 31.9630 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, 130) }
```


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

```
.border{ border-color:rgb(228, 228, 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, 228, 130) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 63.7676, 73.5925, 31.9630 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, 130) }
```

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

```
.background{ background-color: rgb(228,  
228, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor