

Converting Colors

XYZ(64.0189, 73.7298, 31.6260)

Have a look what the booklet for
XYZ(64.0189, 73.7298, 31.6260)
contains.

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Color

**XYZ(64.0189, 73.7298,
31.6260)**

Conversions

Conversions Part 1

Format	Color
Hex	E5E481
RGB	229, 228, 129
RGB Percent	90%, 89%, 51%
CMY	0.1020, 0.1059, 0.4941
CMYK	0.00, 0.00, 0.44, 0.10
HSL	59°, 66%, 70%
HSV	59°, 44%, 90%
XYZ	64.0189, 73.7298, 31.6260
YIQ	217.0130, 32.3750, -30.5770

Conversions

Conversions Part 2

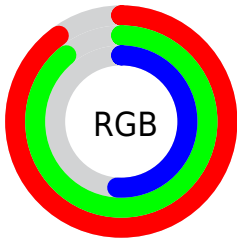
Format	Color
R_{YB}	130, 229, 129
Decimal	15066241
CIE _{Lab}	88.79, -13.41, 48.23
CIE _{LCh}	89, 50.059, 105.542
Yxy	73.7298, 0.3780, 0.4353
Android (android.graphics.Color)	4293256321 (0xFFE5E481)
YUV	217.0130, -43.3904, 10.5126
Hunter-Lab	85.8661, -17.1819, 38.2687

Details

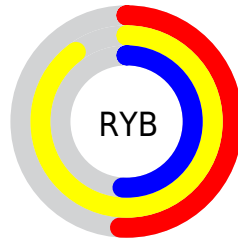
The XYZ color **64.0189, 73.7298, 31.6260** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **31.1786, 26.2887, 77.5594**, and the grayscale version is **66.2364, 69.6858, 75.8879**.

A 20% lighter version of the original color is **85.5472, 96.1989, 58.8592**, and **33.2964, 39.1936, 12.8314** is the 20% darker color. If you saturate the color by 10%, you get **62.6024, 73.0658, 24.4673**, and if you desaturate by 10%, it is **65.7802, 74.5372, 40.5842**.

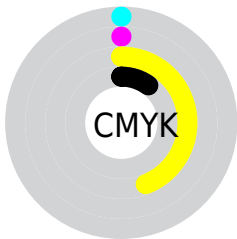
Distribution



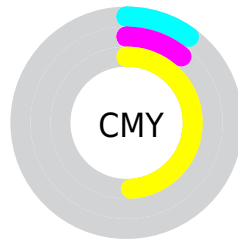
- Red (90%)
- Green (89%)
- Blue (51%)



- Red (51%)
- Yellow (90%)
- Blue (51%)



- Cyan (0%)
- Magenta (0%)
- Yellow (44%)
- Black (10%)



- Cyan (10%)
- Magenta (11%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.0189, 73.7298, 31.6260 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 64.0189, 73.7298, 31.6260 by changing the saturation by 10% instead.

64.0189, 73.7298,
31.6260

64.0189, 73.7298,
31.6260

428.8590,
473.5403, 323.8521

46.9277, 54.5729,
20.8135

109.7117,
124.5127, 63.3154

33.1862, 39.0599,
12.7979

139.0441,
156.9075, 85.0294

22.4291, 26.8063,
7.1604

173.1876,
194.4838, 111.2144

14.2909, 17.4278,
3.4827

212.5075,
237.6258, 142.2888

8.4063, 10.5400,
1.3461

257.3693,
286.7181, 178.6712

4.4100, 5.7584,
0.0991

308.1382,

1.9366, 2.6987,

342.1450, 220.7802

0.0000

365.1797,
404.2910, 269.0343

■ 0.5980, 0.9766,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.0189, 73.7298,
31.6260

■ 64.0189, 73.7298,
31.6260

■ 62.6024, 73.0658,
24.4673

■ 65.7802, 74.5372,
40.5842

■ 61.5022, 72.5257,
18.9821


■ 67.9019, 75.4862,
51.4474


■ 60.6943, 72.1027,
15.0354

■ 70.4050, 76.5879,
64.3187


■ 60.1486, 71.7848,
12.4693


■ 73.3073, 77.8495,
79.2921


 59.8288, 71.5573,
11.0922

 76.6258, 79.2776,
96.4560

 59.7067, 71.4455,
10.6435

 78.4851, 80.1222,
105.9363

 78.5482, 80.2485,
105.9573

 78.6115, 80.3749,
105.9784

 78.6748, 80.5015,
105.9995

Harmonies

Analogous

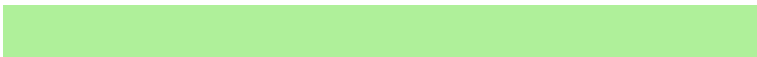
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.0576, 73.7298, 31.4509



64.0189, 73.7298, 31.6260



54.7290, 73.7298, 42.0271

Triad

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



64.0189, 73.7298, 31.6260



54.9935, 73.7298, 137.9444



95.1465, 73.7298, 98.1182

Complementary

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



64.0189, 73.7298, 31.6260



31.1786, 26.2887, 77.5594

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.



88.0577, 73.7298, 136.6688



64.0189, 73.7298, 31.6260



64.4203, 73.7298, 163.7764

Square

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



64.0189, 73.7298, 31.6260



49.9425, 73.7298, 99.5176



76.5078, 73.7298, 163.2519



95.0068, 73.7298, 63.6952

Rectangle

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



64.0189, 73.7298, 31.6260



50.9375, 73.7298, 55.7004



76.5078, 73.7298, 163.2519



93.4973, 73.7298, 111.1962

Sweetspot

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



64.0207, 73.7332, 31.6275



90.0597, 97.8359, 83.1394



44.2380, 33.9889, 25.5844



19.1140, 20.8698, 16.9584



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.



64.0207, 73.7332, 31.6275



80.1189, 93.3574, 32.3396



50.9601, 67.4071, 31.0949



15.5887, 16.7913, 15.3239



34.1432, 40.8606, 6.0873



2.5270, 3.0274, 0.4512

Inverse Universe

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



31.1786, 26.2887, 77.5594



33.3051, 25.7314, 97.8190



40.2012, 30.7448, 77.9440



13.5943, 13.9100, 18.1127



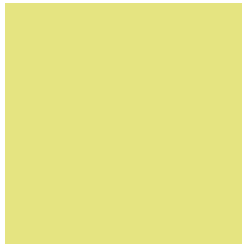
8.1054, 3.2730, 42.5877



0.6030, 0.2500, 3.1484

Previews

White Background



This preview shows how the XYZ color 64.0189, 73.7298, 31.6260 looks on a white background.

Color Contrast Check

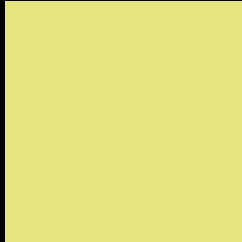
Large Text (above 18pt) WCAG AA × Fail

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 64.0189, 73.7298, 31.6260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

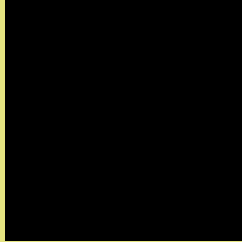
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.0189, 73.7298, 31.6260

Background



This preview shows how black text looks on a background with the XYZ color 64.0189, 73.7298, 31.6260.

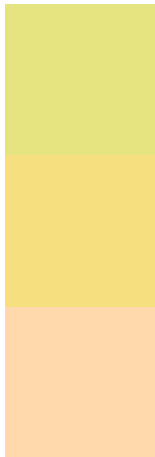


This preview shows how white text looks on a background with the XYZ color 64.0189, 73.7298,

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

64.0189, 73.7298, 31.6260

Protanopia

67.8746, 73.7201, 30.7307

Deuteranopia

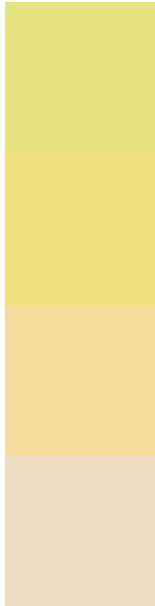
73.1466, 73.3120, 48.8235



Tritanopia

75.1990, 73.5202, 87.3182

Trichromacy



Original Color

64.0189, 73.7298, 31.6260

Protanomaly

66.4181, 73.7597, 31.1585

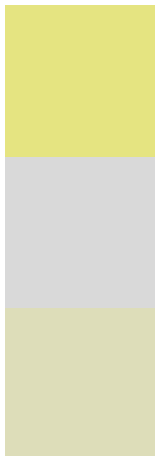
Deuteranomaly

69.6000, 73.1795, 41.9092

Tritanomaly

70.0356, 72.9594, 62.0211

Monochromacy



Original Color

64.0189, 73.7298, 31.6260

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 64.0189, 73.7298, 31.6260 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(229, 228, 129)` looks like.

```
.text, #text, p{  
    color:rgb(229, 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(229, 228, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 228, 129) }
```

Border

The CSS property to change the border of an element to XYZ 64.0189, 73.7298, 31.6260 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(229, 228, 129) }
```


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

```
.border{ border-color:rgb(229, 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(229, 228, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 228, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 228, 129);  
box-shadow:4px 4px 4px 4px rgb(229, 228,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 64.0189, 73.7298, 31.6260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 228, 129) }
```

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

```
.background{ background-color: rgb(229,  
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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