

Converting Colors

XYZ(64.3767, 71.7779, 36.8471)

Have a look what the booklet for
XYZ(64.3767, 71.7779, 36.8471)
contains.

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Color

**XYZ(64.3767, 71.7779,
36.8471)**

Conversions

Conversions Part 1

Format	Color
Hex	E7DF90
RGB	231, 223, 144
RGB Percent	91%, 87%, 56%
CMY	0.0941, 0.1255, 0.4353
CMYK	0.00, 0.03, 0.38, 0.09
HSL	54°, 64%, 74%
HSV	54°, 38%, 91%
XYZ	64.3767, 71.7779, 36.8471
YIQ	216.3860, 30.1270, -22.8730

Conversions

Conversions Part 2

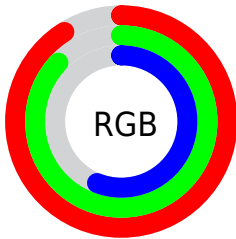
Format	Color
R _Y B	153, 231, 144
Decimal	15196048
CIE Lab	87.86, -8.58, 39.70
CIE LCh	88, 40.615, 102.190
Yxy	71.7779, 0.3721, 0.4149
Android (android.graphics.Color)	4293386128 (0xFFE7DF90)
YUV	216.3860, -35.6863, 12.8165
Hunter-Lab	84.7218, -12.6283, 33.5190

Details

The XYZ color **64.3767, 71.7779, 36.8471** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **37.1535, 34.1543, 80.2355**, and the grayscale version is **65.7566, 69.1811, 75.3382**.

A 20% lighter version of the original color is **87.3088, 96.9035, 68.1354**, and **33.3900, 37.7766, 15.6570** is the 20% darker color. If you saturate the color by 10%, you get **62.2259, 70.0184, 28.2931**, and if you desaturate by 10%, it is **66.8995, 73.7027, 47.3090**.

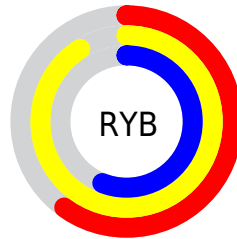
Distribution



Red (91%)

Green (87%)

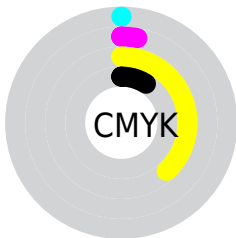
Blue (56%)



Red (60%)

Yellow (91%)

Blue (56%)

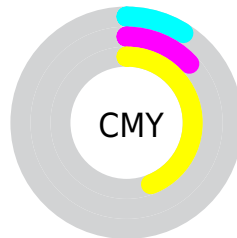


Cyan (0%)

Magenta (3%)

Yellow (38%)

Black (9%)



Cyan (9%)

Magenta (13%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.3767, 71.7779, 36.8471 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 64.3767, 71.7779, 36.8471 by changing the saturation by 10% instead.

64.3767, 71.7779,
36.8471

64.3767, 71.7779,
36.8471

430.1294,
466.7682, 347.7968

47.2187, 52.9773,
24.7943

110.2240,
121.7407, 71.5213

33.4172, 37.7846,
15.7062

139.6439,
153.6717, 94.9797

22.6070, 25.8156,
9.1644

173.8819,
190.7482, 123.0770

14.4227, 16.6857,
4.7503

213.3032,
233.3547, 156.2319

8.4989, 10.0107,
2.0453

258.2733,
281.8756, 194.8627

4.4703, 5.4060,
0.5830

309.1574,

1.9715, 2.4874,

336.6952, 239.3881

0.0000

366.3210,
398.1979, 290.2266

■ 0.6179, 0.8703,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.3767, 71.7779,
36.8471

■ 64.3767, 71.7779,
36.8471

■ 62.2259, 70.0184,
28.2931

■ 66.8995, 73.7027,
47.3090

■ 60.4194, 68.4054,
21.5256

■ 69.8092, 75.7911,
59.7811

■ 58.9345, 66.9323,
16.4164

■ 73.1265, 78.0541,
74.3640

■ 57.7432, 65.5879,
12.8184

■ 76.8689, 80.4985,
91.1501

■ 56.8125, 64.3590,
10.5586

■ 80.3194, 82.8378,
106.3637

■ 56.0980, 63.2277,
9.4026

■ 80.9260, 84.0510,
106.5660

■ 55.9458, 62.9707,
9.2059

■ 81.5399, 85.2788,
106.7706

■ 82.1611, 86.5212,
106.9776

■ 82.7896, 87.7781,
107.1871

Harmonies

Analogous

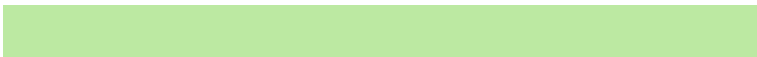
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.0611, 71.7779, 37.6707



64.3767, 71.7779, 36.8471



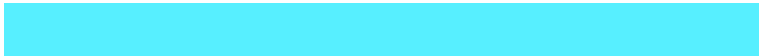
56.4970, 71.7779, 45.0036

Triad

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



64.3767, 71.7779, 36.8471



55.3693, 71.7779, 119.5835



87.4718, 71.7779, 95.5735

Complementary

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



64.3767, 71.7779, 36.8471



37.1535, 34.1543, 80.2355

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.



81.4681, 71.7779, 124.5465



64.3767, 71.7779, 36.8471



62.6996, 71.7779, 140.5026

Square

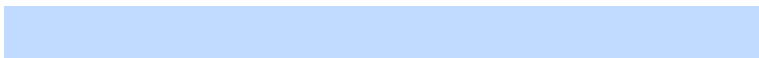
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.3767, 71.7779, 36.8471



51.6352, 71.7779, 89.9287



72.2190, 71.7779, 142.5074



88.0292, 71.7779, 67.4546

Rectangle

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



64.3767, 71.7779, 36.8471



53.0820, 71.7779, 55.8769



72.2190, 71.7779, 142.5074



85.9993, 71.7779, 105.6814

Sweetspot

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



64.3785, 71.7812, 36.8486



90.0415, 96.6898, 86.5542



48.6538, 39.2263, 35.0153



19.1501, 20.6124, 17.9866



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.



64.3785, 71.7812, 36.8486



78.4802, 88.1370, 37.7835



56.4274, 70.9282, 37.1030



15.4824, 16.5788, 15.2885



31.4127, 35.3996, 5.1772



2.3545, 2.6824, 0.3937

Inverse Universe

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



37.1535, 34.1543, 80.2355



39.9409, 34.8841, 99.2359



42.9420, 35.2768, 80.1470



13.6888, 14.0990, 18.1442



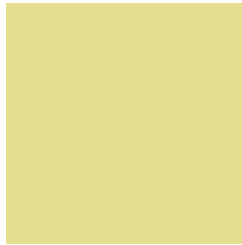
8.2775, 3.6171, 42.6451



0.6484, 0.3407, 3.1636

Previews

White Background



This preview shows how the XYZ color 64.3767, 71.7779, 36.8471 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 64.3767, 71.7779, 36.8471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

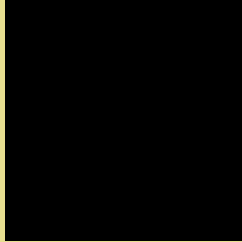
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.3767, 71.7779, 36.8471

Background



This preview shows how black text looks on a background with the XYZ color 64.3767, 71.7779, 36.8471.



This preview shows how white text looks on a background with the XYZ color 64.3767, 71.7779,

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

64.3767, 71.7779, 36.8471

Protanopia

66.1477, 71.5203, 36.3050

Deuteranopia

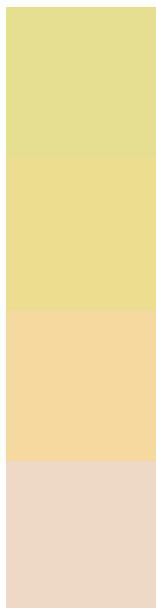
72.0093, 71.6385, 46.5915



Tritanopia

74.2127, 71.9464, 84.1044

Trichromacy



Original Color

64.3767, 71.7779, 36.8471

Protanomaly

65.4064, 71.5289, 36.3458

Deuteranomaly

69.0769, 71.7217, 43.0038

Tritanomaly

69.9309, 71.7075, 63.5812

Monochromacy



Original Color

64.3767, 71.7779, 36.8471

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.4446, 69.7529, 58.7823

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3767, 71.7779, 36.8471 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(231, 223, 144)` looks like.

```
.text, #text, p{  
    color:rgb(231, 223, 144)  
}
```

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(231, 223, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 223, 144) }
```

Border

The CSS property to change the border of an element to XYZ 64.3767, 71.7779, 36.8471 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(231, 223, 144) }
```


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

```
.border{ border-color:rgb(231, 223, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 223, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 223, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 223, 144);  
box-shadow:4px 4px 4px 4px rgb(231, 223,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3767, 71.7779, 36.8471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 223, 144) }
```

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

```
.background{ background-color: rgb(231,  
223, 144) }
```

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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