

Converting Colors

XYZ(61.6671, 67.6027, 36.7480)

Have a look what the booklet for
XYZ(61.6671, 67.6027, 36.7480)
contains.

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Color

**XYZ(61.6616, 67.6500,
36.5959)**

Conversions

Conversions Part 1

Format	Color
Hex	E4D891
RGB	228, 216, 145
RGB Percent	89%, 85%, 57%
CMY	0.1059, 0.1529, 0.4314
CMYK	0.00, 0.05, 0.36, 0.11
HSL	51°, 61%, 73%
HSV	51°, 36%, 89%
XYZ	61.6616, 67.6500, 36.5959
YIQ	211.4940, 29.9430, -19.5370

Conversions

Conversions Part 2

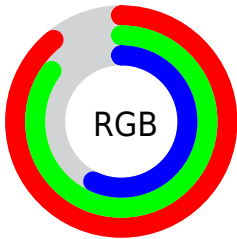
Format	Color
R_{YB}	159, 228, 145
Decimal	14997649
CIE Lab	85.83, -6.09, 36.52
CIE LCh	86, 37.019, 99.462
Yxy	67.6500, 0.3717, 0.4078
Android (android.graphics.Color)	4293187729 (0xFFE4D891)
YUV	211.4940, -32.7815, 14.4758
Hunter-Lab	82.2496, -10.1174, 31.1944

Details

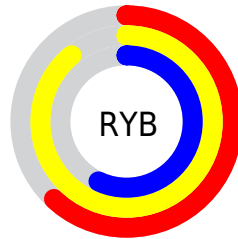
The XYZ color **61.6616, 67.6500, 36.5959** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.7374, 35.7341, 78.3073**, and the grayscale version is **62.4415, 65.6933, 71.5400**.

A 20% lighter version of the original color is **87.4253, 96.9501, 68.7490**, and **31.5152, 34.9380, 15.4386** is the 20% darker color. If you saturate the color by 10%, you get **59.2419, 65.3473, 27.9690**, and if you desaturate by 10%, it is **64.4544, 70.1339, 47.0893**.

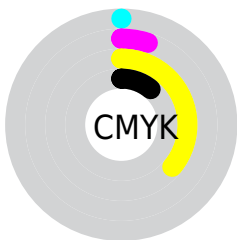
Distribution



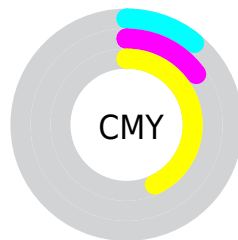
- Red (89%)
- Green (85%)
- Blue (57%)



- Red (62%)
- Yellow (89%)
- Blue (57%)



- Cyan (0%)
- Magenta (5%)
- Yellow (36%)
- Black (11%)



- Cyan (11%)
- Magenta (15%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.6616, 67.6500, 36.5959 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 61.6616, 67.6500, 36.5959 by changing the saturation by 10% instead.

■ 61.6616, 67.6500,
36.5959

■ 61.6616, 67.6500,
36.5959

420.4329,
452.2550, 346.6735

■ 45.0139, 49.6130,
24.6014

■ 106.3290,
115.8513, 71.1302

■ 31.6697, 35.1060,
15.5641

■ 135.0794,
146.7844, 94.5071

■ 21.2636, 23.7446,
9.0652

168.5947,
182.7851, 122.5153

■ 13.4304, 15.1442,
4.6863

207.2404,
224.2377, 155.5732

■ 7.8046, 8.9207,
2.0089

251.3816,
271.5265, 194.0995

■ 4.0209, 4.6895,
0.5608

301.3839,

■ 1.7140, 2.0662,

325.0361, 238.5126

0.0000

357.6125,
385.1508, 289.2311

0.4650, 0.6455,
0.0000

0.0000, 0.0000,
0.0000

61.6616, 67.6500,
36.5959

61.6616, 67.6500,
36.5959

59.2419, 65.3473,
27.9690

64.4544, 70.1339,
47.0893

57.1690, 63.2079,
21.0927

67.6349, 72.7976,
59.5476

55.4209, 61.2251,
15.8444

71.2229, 75.6517,
74.0672

53.9711, 59.3883,
12.0842

75.2353, 78.7032,
90.7369

■ 52.7882, 57.6847,
9.6485

■ 79.0369, 81.6980,
106.2113

■ 51.8332, 56.0985,
8.3317

■ 79.9757, 83.5755,
106.5243

■ 51.5215, 55.5471,
8.0062

■ 80.9320, 85.4881,
106.8430

■ 81.9058, 87.4358,
107.1676

■ 82.8974, 89.4188,
107.4981

Harmonies

Analogous

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



70.1774, 67.6500, 38.0754



61.6616, 67.6500, 36.5959



54.5035, 67.6500, 43.2252

Triad

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



61.6616, 67.6500, 36.5959



52.5390, 67.6500, 107.4186



80.7693, 67.6500, 91.2444

Complementary

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



61.6616, 67.6500, 36.5959



37.7374, 35.7341, 78.3073

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.



75.2036, 67.6500, 115.8051



61.6616, 67.6500, 36.5959



58.7589, 67.6500, 126.4736

Square

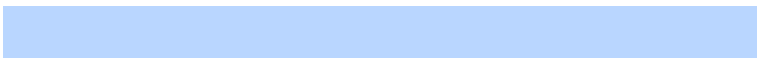
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



61.6616, 67.6500, 36.5959



49.5496, 67.6500, 81.5878



67.0112, 67.6500, 129.8403



81.7191, 67.6500, 66.2619

Rectangle

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



61.6616, 67.6500, 36.5959



51.2801, 67.6500, 52.4307



67.0112, 67.6500, 129.8403



79.3543, 67.6500, 99.9607

Sweetspot

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



61.6633, 67.6531, 36.5973



89.5787, 95.7642, 86.3999



48.2451, 39.1953, 37.1236



19.0390, 20.3903, 17.9495



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.



61.6633, 67.6531, 36.5973



76.9866, 84.8447, 38.2263



56.3946, 69.6666, 37.2637



15.4148, 16.4434, 15.2659



29.8179, 32.2100, 4.6456



2.2522, 2.4777, 0.3595

Inverse Universe

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



37.7374, 35.7341, 78.3073



41.7437, 37.8430, 99.7120



41.5964, 34.8575, 77.9347



13.7500, 14.2215, 18.1646



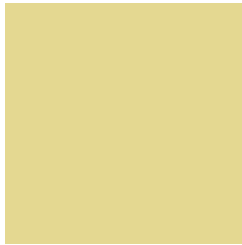
8.4511, 3.9642, 42.7029



0.6775, 0.3990, 3.1733

Previews

White Background



This preview shows how the XYZ color 61.6616, 67.6500, 36.5959 looks on a white background.

Color Contrast Check

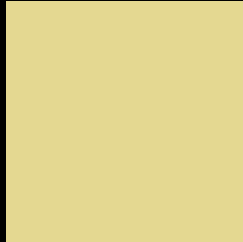
Large Text (above 18pt) WCAG AA × Fail

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 61.6616, 67.6500, 36.5959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

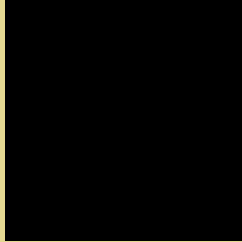
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 61.6616, 67.6500, 36.5959

Background



This preview shows how black text looks on a background with the XYZ color 61.6616, 67.6500, 36.5959.



This preview shows how white text looks on a background with the XYZ color 61.6616, 67.6500,

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

61.6616, 67.6500, 36.5959

Protanopia

62.9388, 67.9381, 36.1817

Deuteranopia

68.8163, 67.6046, 38.2761



Tritanopia

70.1812, 67.4211, 78.4219

Trichromacy



Original Color

61.6616, 67.6500, 36.5959

Protanomaly

62.2895, 67.6034, 36.1513

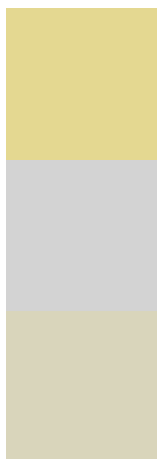
Deuteranomaly

66.0481, 67.6438, 37.5924

Tritanomaly

66.7159, 67.4807, 60.5477

Monochromacy



Original Color

61.6616, 67.6500, 36.5959

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

61.3792, 65.9281, 56.5041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.6616, 67.6500, 36.5959 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, 216, 145)` looks like.

```
.text, #text, p{  
    color:rgb(228, 216, 145)  
}
```

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, 216, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 216, 145) }
```

Border

The CSS property to change the border of an element to XYZ 61.6616, 67.6500, 36.5959 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, 216, 145) }
```


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

```
.border{ border-color:rgb(228, 216, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 216, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 216, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 216, 145);  
box-shadow:4px 4px 4px 4px rgb(228, 216,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 61.6616, 67.6500, 36.5959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 216, 145) }
```

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

```
.background{ background-color: rgb(228,  
216, 145) }
```

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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