

# Converting Colors

XYZ(61.6388, 67.9730, 28.9160)

Have a look what the booklet for  
XYZ(61.6388, 67.9730, 28.9160)  
contains.

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# Color

**XYZ(61.4727, 67.7228,  
28.9006)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8D87C
RGB	232, 216, 124
RGB Percent	91%, 85%, 49%
CMY	0.0902, 0.1529, 0.5137
CMYK	0.00, 0.07, 0.47, 0.09
HSL	51°, 70%, 70%
HSV	51°, 47%, 91%
XYZ	61.4727, 67.7228, 28.9006
YIQ	210.2960, 39.0680, -25.2200

# Conversions

## Conversions Part 2

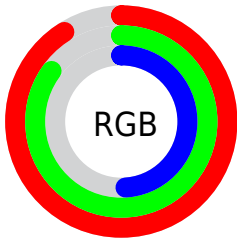
Format	Color
<b>RYB</b>	143, 232, 124
Decimal	15259772
CIELab	85.87, -6.69, 47.10
CIELCh	86, 47.574, 98.079
Yxy	67.7228, 0.3888, 0.4284
Android (android.graphics.Color)	4293449852 (0xFFE8D87C)
YUV	210.2960, -42.5439, 19.0344
Hunter-Lab	82.2939, -10.6765, 36.7838

# Details

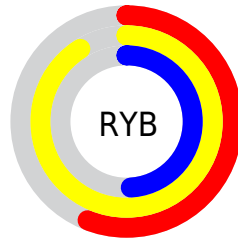
The XYZ color **61.4727, 67.7228, 28.9006** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **32.2556, 28.8665, 80.2156**, and the grayscale version is **61.7075, 64.9211, 70.6991**.

A 20% lighter version of the original color is **85.0359, 95.9944, 56.1664**, and **31.3701, 34.9563, 11.2247** is the 20% darker color. If you saturate the color by 10%, you get **59.3043, 65.4641, 21.7714**, and if you desaturate by 10%, it is **64.0080, 70.1626, 37.8563**.

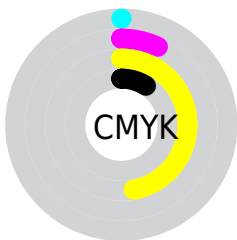
# Distribution



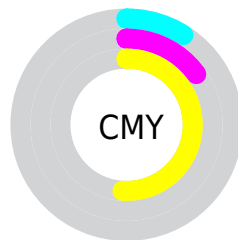
- Red (91%)
- Green (85%)
- Blue (49%)



- Red (56%)
- Yellow (91%)
- Blue (49%)



- Cyan (0%)
- Magenta (7%)
- Yellow (47%)
- Black (9%)



- Cyan (9%)
- Magenta (15%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.4727, 67.7228, 28.9006 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 61.4727, 67.7228, 28.9006 by changing the saturation by 10% instead.



61.4727, 67.7228,  
28.9006

61.4727, 67.7228,  
28.9006

419.7533,  
452.5133, 310.7919

44.8608, 49.6723,  
18.7607

106.0573,  
115.9555, 58.9594

31.5486, 35.1531,  
11.3224

134.7607,  
146.9064, 79.7154

21.1708, 23.7808,  
6.1673

168.2253,  
182.9263, 104.8472

13.3621, 15.1711,  
2.8766

206.8164,  
224.3995, 134.7733

7.7571, 8.9396,  
1.0320

250.8994,  
271.7104, 169.9123

3.9904, 4.7018,  
0.0000

300.8396,

1.6967, 2.0734,

325.2434, 210.6827

0.0000

357.0025,  
385.3829, 257.5031

■ 0.4542, 0.6496,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 61.4727, 67.7228,  
28.9006

■ 61.4727, 67.7228,  
28.9006

■ 59.3043, 65.4641,  
21.7714

■ 64.0080, 70.1626,  
37.8563

■ 57.4731, 63.3671,  
16.3352


■ 66.9275, 72.7833,  
48.7513


■ 55.9529, 61.4236,  
12.4467


■ 70.2533, 75.5963,  
61.6940


■ 54.7110, 59.6204,  
9.9347


■ 74.0044, 78.6094,  
76.7837


 53.7062, 57.9407,  
8.5829


 78.1985, 81.8298,  
94.1132

 53.3910, 57.3805,  
8.2615

 81.5032, 84.7248,  
106.6656

 82.5054, 86.7292,  
106.9997

 83.5268, 88.7720,  
107.3401

 84.5674, 90.8533,  
107.6870

# Harmonies

## Analogous

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



72.4997, 67.7228, 30.9489



61.4727, 67.7228, 28.9006



52.3077, 67.7228, 35.9135

# Triad

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



61.4727, 67.7228, 28.9006



49.2638, 67.7228, 117.2117



85.7946, 67.7228, 98.4472

# Complementary

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



61.4727, 67.7228, 28.9006



32.2556, 28.8665, 80.2156

# 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.



78.1538, 67.7228, 131.6775



61.4727, 67.7228, 28.9006



56.8692, 67.7228, 144.4651

# Square

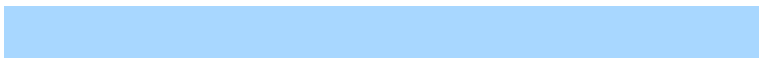
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



61.4727, 67.7228, 28.9006



45.7963, 67.7228, 82.4841



67.3538, 67.7228, 150.3967



87.3849, 67.7228, 65.6342



# Rectangle

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



61.4727, 67.7228, 28.9006



48.1930, 67.7228, 46.3766



67.3538, 67.7228, 150.3967



83.8102, 67.7228, 110.1761

# Sweetspot

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



61.4743, 67.7259, 28.9020



88.1622, 94.5833, 80.8348



45.2352, 33.4711, 28.9656



18.6635, 20.0756, 16.4793



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.



61.4743, 67.7259, 28.9020



73.5565, 81.1958, 27.1832



54.7945, 70.6644, 29.8212



15.4102, 16.4343, 15.2644



29.7139, 32.0019, 4.6109



2.2455, 2.4643, 0.3573



# Inverse Universe

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



32.2556, 28.8665, 80.2156



33.1928, 27.5483, 98.1757



36.6335, 27.9027, 79.7988



13.7542, 14.2298, 18.1660



8.4653, 3.9927, 42.7077

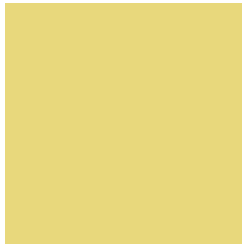


0.6795, 0.4030, 3.1739



# Previews

## White Background



This preview shows how the XYZ color 61.4727, 67.7228, 28.9006 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

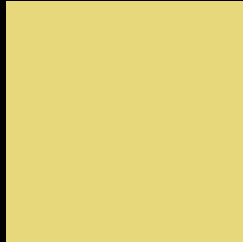
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.4727, 67.7228, 28.9006 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 61.4727, 67.7228, 28.9006

## Background



This preview shows how black text looks on a background with the XYZ color 61.4727, 67.7228, 28.9006.



This preview shows how white text looks on a background with the XYZ color 61.4727, 67.7228,



# 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

61.4727, 67.7228, 28.9006

### Protanopia

62.5306, 67.8890, 28.8770

### Deuteranopia

68.2692, 67.3858, 35.3952



## **Tritanopia**

71.5004, 67.7603, 77.7172

# Trichromacy



## Original Color

61.4727, 67.7228, 28.9006

## Protanomaly

62.1995, 67.7183, 28.8615

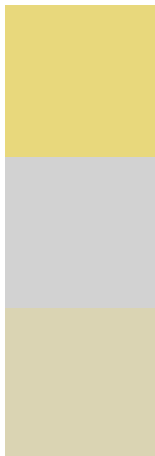
## Deuteranomaly

65.8483, 67.6449, 32.8787

## Tritanomaly

66.9233, 67.3232, 55.9218

# Monochromacy



## Original Color

61.4727, 67.7228, 28.9006

## Achromatopsia

61.2578, 64.4480, 70.1838

## Achromatomaly

60.5936, 65.2471, 52.0481

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.4727, 67.7228, 28.9006 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(232, 216, 124)` looks like.

```
.text, #text, p{  
    color:rgb(232, 216, 124)  
}
```

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(232, 216, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 216, 124) }
```

## Border

The CSS property to change the border of an element to XYZ 61.4727, 67.7228, 28.9006 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(232, 216, 124) }
```



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

```
.border{ border-color:rgb(232, 216, 124) }
```

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

Here you see how a box with a 4 pixel rgb(232, 216, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 216, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 216, 124);  
box-shadow:4px 4px 4px 4px rgb(232, 216,  
124) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.4727, 67.7228, 28.9006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 216, 124) }
```

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

```
.background{ background-color: rgb(232,  
216, 124) }
```

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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