

# Converting Colors

XYZ(61.8328, 69.2693, 37.3055)

Have a look what the booklet for  
XYZ(61.8328, 69.2693, 37.3055)  
contains.

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# Color

**XYZ(61.8328, 69.2693,  
37.3055)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1DC92
RGB	225, 220, 146
RGB Percent	88%, 86%, 57%
CMY	0.1176, 0.1372, 0.4274
CMYK	0.00, 0.02, 0.35, 0.12
HSL	56°, 57%, 73%
HSV	56°, 35%, 88%
XYZ	61.8328, 69.2693, 37.3055
YIQ	213.0590, 26.7340, -21.9540

# Conversions

## Conversions Part 2

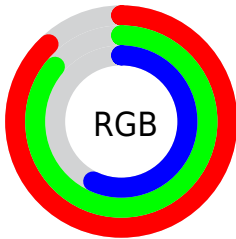
Format	Color
R <sub>YB</sub>	151, 225, 146
Decimal	14802066
CIE Lab	86.64, -9.16, 37.01
CIE LCh	87, 38.129, 103.901
Yxy	69.2693, 0.3672, 0.4113
Android (android.graphics.Color)	4292992146 (0xFFE1DC92)
YUV	213.0590, -33.0601, 10.4723
Hunter-Lab	83.2282, -13.0361, 31.6841

# Details

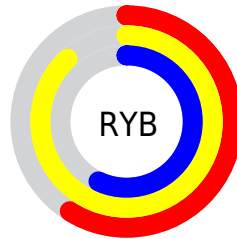
The XYZ color **61.8328, 69.2693, 37.3055** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.5110, 33.6794, 75.8105**, and the grayscale version is **63.4885, 66.7949, 72.7396**.

A 20% lighter version of the original color is **87.5426, 96.9970, 69.3667**, and **31.8377, 36.1534, 15.8900** is the 20% darker color. If you saturate the color by 10%, you get **59.8810, 67.8962, 28.8534**, and if you desaturate by 10%, it is **64.1357, 70.7928, 47.5756**.

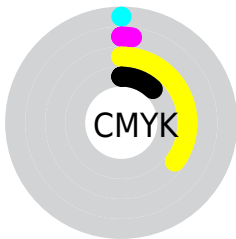
# Distribution



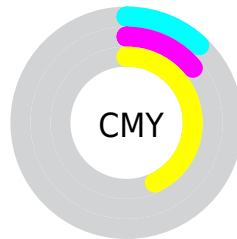
- Red (88%)
- Green (86%)
- Blue (57%)



- Red (59%)
- Yellow (88%)
- Blue (57%)



- Cyan (0%)
- Magenta (2%)
- Yellow (35%)
- Black (12%)




- Cyan (12%)
- Magenta (14%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.8328, 69.2693, 37.3055 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 61.8328, 69.2693, 37.3055 by changing the saturation by 10% instead.




 61.8328, 69.2693,  
37.3055

 61.8328, 69.2693,  
37.3055


421.0482,  
457.9802, 349.8397

 45.1527, 50.9311,  
25.1465


 106.5751,  
118.1661, 72.2340

 31.7795, 36.1537,  
15.9662


 135.3681,  
149.4935, 95.8405

 21.3479, 24.5530,  
9.3461


168.9294,  
185.9194, 124.0999

 13.4924, 15.7443,  
4.8678

207.6244,  
227.8282, 157.4308

 7.8478, 9.3434,  
2.1125

251.8184,  
275.6043, 196.2517

 4.0487, 4.9658,  
0.6232

301.8768,

 1.7297, 2.2272,

329.6320, 240.9811

0.0000

358.1649,  
390.2959, 292.0376

■ 0.4748, 0.7348,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 61.8328, 69.2693,  
37.3055

■ 61.8328, 69.2693,  
37.3055

■ 59.8810, 67.8962,  
28.8534

■ 64.1357, 70.7928,  
47.5756

■ 58.2548, 66.6561,  
22.1081


■ 66.8033, 72.4648,  
59.7577


■ 56.9335, 65.5429,  
16.9528


■ 69.8545, 74.2953,  
73.9442

■ 55.8919, 64.5466,  
13.2546


■ 73.3055, 76.2909,  
90.2206

 55.1005, 63.6555,  
10.8586


 76.6026, 78.2301,  
105.6703


 54.5234, 62.8551,  
9.5752

 76.9935, 79.0119,  
105.8006

 54.2900, 62.4850,  
9.1994

 77.3876, 79.8002,  
105.9320

 77.7850, 80.5949,  
106.0644

 78.1856, 81.3962,  
106.1979

# Harmonies

## Analogous

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



70.6726, 69.2693, 37.6091



61.8328, 69.2693, 37.3055



54.7257, 69.2693, 45.4655

# Triad

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



61.8328, 69.2693, 37.3055



54.3185, 69.2693, 114.5309



83.5857, 69.2693, 89.7656

# Complementary

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



61.8328, 69.2693, 37.3055



36.5110, 33.6794, 75.8105

# 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.



78.3620, 69.2693, 116.2871



61.8328, 69.2693, 37.3055



61.2298, 69.2693, 132.6297

# Square

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



61.8328, 69.2693, 37.3055



50.6577, 69.2693, 87.7518



70.0133, 69.2693, 133.3362



83.7841, 69.2693, 64.3058



# Rectangle

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



61.8328, 69.2693, 37.3055



51.7037, 69.2693, 55.9435



70.0133, 69.2693, 133.3362



82.3395, 69.2693, 98.9675

# Sweetspot

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



61.8345, 69.2724, 37.3069



90.2952, 97.1971, 86.6387



46.9383, 38.8091, 34.4097



19.2110, 20.7342, 18.0069



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.



61.8345, 69.2724, 37.3069



80.2154, 90.6711, 41.2490



53.5411, 66.9720, 37.3000



14.7937, 15.8733, 14.5909



31.3172, 36.0723, 5.3121



2.1935, 2.5458, 0.3758



# Inverse Universe

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



36.5110, 33.6794, 75.8105



41.9112, 36.8397, 99.5096



42.7469, 35.7262, 75.8769



13.0213, 13.3816, 17.2843



7.9526, 3.3748, 41.2806

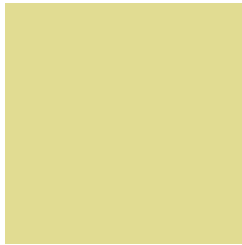


0.5761, 0.2836, 2.8696



# Previews

## White Background



This preview shows how the XYZ color 61.8328, 69.2693, 37.3055 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

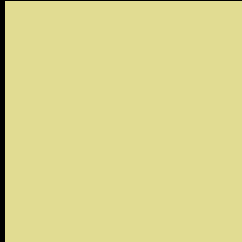
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.8328, 69.2693, 37.3055 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

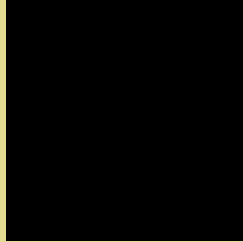
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

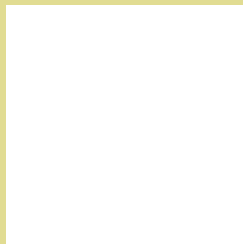
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 61.8328, 69.2693, 37.3055**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.8328, 69.2693, 37.3055.



This preview shows how white text looks on a background with the XYZ color 61.8328, 69.2693,



# 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

61.8328, 69.2693, 37.3055

### Protanopia

64.1846, 69.3322, 36.7876

### Deuteranopia

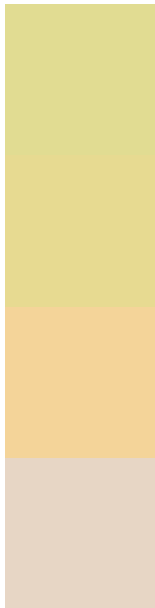
69.8817, 68.8061, 41.4960



## Tritanopia

70.7057, 69.0766, 81.5580

# Trichromacy



## Original Color

61.8328, 69.2693, 37.3055

## Protanomaly

63.1372, 69.1761, 36.8127

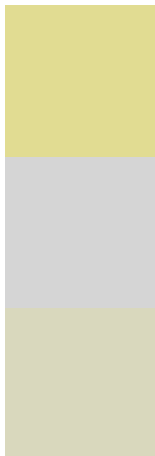
## Deuteranomaly

66.6015, 68.6200, 39.8717

## Tritanomaly

67.0796, 69.1133, 62.6280

# Monochromacy



## Original Color

61.8328, 69.2693, 37.3055

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

62.3564, 67.5376, 57.8936

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.8328, 69.2693, 37.3055 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(225, 220, 146)` looks like.

```
.text, #text, p{  
    color:rgb(225, 220, 146)  
}
```

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(225, 220, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 220, 146) }
```

## Border

The CSS property to change the border of an element to XYZ 61.8328, 69.2693, 37.3055 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(225, 220, 146) }
```



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

```
.border{ border-color:rgb(225, 220, 146) }
```

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

Here you see how a box with a 4 pixel rgb(225, 220, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 220, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 220, 146);  
box-shadow:4px 4px 4px 4px rgb(225, 220,  
146) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.8328, 69.2693, 37.3055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 220, 146) }
```

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

```
.background{ background-color: rgb(225,  
220, 146) }
```

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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