

Converting Colors

XYZ(66.7503, 73.9870, 37.1265)

Have a look what the booklet for
XYZ(66.7503, 73.9870, 37.1265)
contains.

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Color

**XYZ(66.5513, 73.6969,
37.1029)**

Conversions

Conversions Part 1

Format	Color
Hex	ECE190
RGB	236, 225, 144
RGB Percent	93%, 88%, 56%
CMY	0.0745, 0.1176, 0.4353
CMYK	0.00, 0.05, 0.39, 0.07
HSL	53°, 71%, 75%
HSV	53°, 39%, 93%
XYZ	66.5513, 73.6969, 37.1029
YIQ	219.0550, 32.5570, -22.8590

Conversions

Conversions Part 2

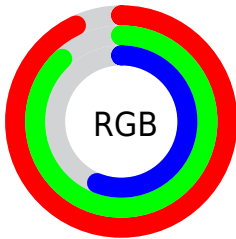
Format	Color
R _Y B	156, 236, 144
Decimal	15524240
CIE Lab	88.78, -7.64, 40.96
CIE LCh	89, 41.666, 100.567
Yxy	73.6969, 0.3753, 0.4155
Android (android.graphics.Color)	4293714320 (0xFFECE190)
YUV	219.0550, -37.0021, 14.8608
Hunter-Lab	85.8469, -11.8531, 34.4678

Details

The XYZ color **66.5513, 73.6969, 37.1029** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.3631, 35.4271, 84.1729**, and the grayscale version is **67.6046, 71.1253, 77.4554**.

A 20% lighter version of the original color is **87.3088, 96.9035, 68.1354**, and **34.8969, 39.1059, 15.8341** is the 20% darker color. If you saturate the color by 10%, you get **64.1774, 71.5401, 28.3238**, and if you desaturate by 10%, it is **69.3186, 76.0365, 47.8750**.

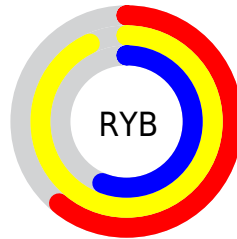
Distribution



Red (93%)

Green (88%)

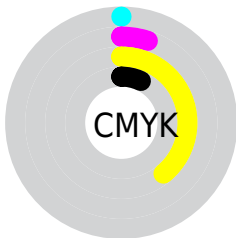
Blue (56%)



Red (61%)

Yellow (93%)

Blue (56%)

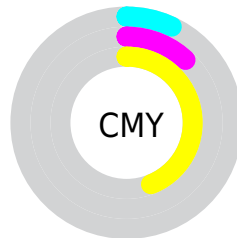


Cyan (0%)

Magenta (5%)

Yellow (39%)

Black (7%)



Cyan (7%)

Magenta (12%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.5513, 73.6969, 37.1029 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 66.5513, 73.6969, 37.1029 by changing the saturation by 10% instead.

66.5513, 73.6969,
37.1029

66.5513, 73.6969,
37.1029

437.8036,
473.4266, 348.9379

48.9894, 54.5460,
24.9908

113.3306,
124.4660, 71.9191

34.8256, 39.0383,
15.8512

143.2787,
156.8531, 95.4603

23.6944, 26.7896,
9.2657

178.0863,
194.4210, 123.6482

15.2306, 17.4152,
4.8157

218.1187,
237.5541, 156.9014

9.0688, 10.5310,
2.0827

263.7413,
286.6368, 195.6384

4.8435, 5.7524,
0.6054

315.3194,

2.1896, 2.6951,

342.0535, 240.2778

0.0000

373.2183,
404.1887, 291.2381

■ 0.7372, 0.9747,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.5513, 73.6969,
37.1029

■ 66.5513, 73.6969,
37.1029

■ 64.1774, 71.5401,
28.3238

■ 69.3186, 76.0365,
47.8750

■ 62.1675, 69.5463,
21.4083


■ 72.4954, 78.5575,
60.7493


■ 60.4972, 67.7083,
16.2191


■ 76.1036, 81.2714,
75.8329

■ 59.1363, 66.0139,
12.5980


■ 80.1620, 84.1858,
93.2238


 58.0492, 64.4488,
10.3578


 83.5399, 86.8486,
106.9682


 57.1818, 62.9913,
9.2137

 84.3725, 88.5139,
107.2457

 57.0986, 62.8461,
9.1211

 85.2181, 90.2050,
107.5276

 86.0767, 91.9222,
107.8138

 86.9483, 93.6654,
108.1043

Harmonies

Analogous

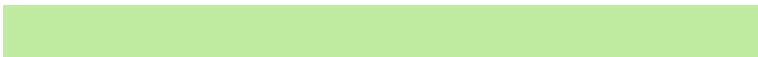
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.6967, 73.6969, 38.4471



66.5513, 73.6969, 37.1029



58.1802, 73.6969, 45.0246

Triad

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



66.5513, 73.6969, 37.1029



56.3278, 73.6969, 122.0378



89.9655, 73.6969, 100.1694

Complementary

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



66.5513, 73.6969, 37.1029



38.3631, 35.4271, 84.1729

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.



83.4260, 73.6969, 130.2413



66.5513, 73.6969, 37.1029



63.7927, 73.6969, 144.8156

Square

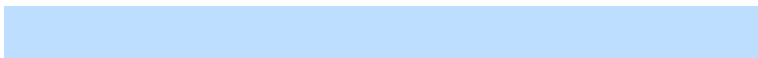
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.5513, 73.6969, 37.1029



52.6650, 73.6969, 90.8619



73.6624, 73.6969, 148.1334



90.8851, 73.6969, 70.4861

Rectangle

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



66.5513, 73.6969, 37.1029



54.4826, 73.6969, 55.9352



73.6624, 73.6969, 148.1334



88.3240, 73.6969, 110.7361

Sweetspot

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



66.5531, 73.7003, 37.1044



89.3534, 95.8726, 84.6016



50.5892, 40.1895, 36.6630



19.0027, 20.4290, 17.5938



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.



66.5531, 73.7003, 37.1044



76.9838, 85.7336, 35.4678



59.4592, 74.5984, 37.6517



16.1894, 17.3017, 16.0050



31.5373, 34.7689, 5.0489



2.5198, 2.8170, 0.4109

Inverse Universe

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



38.3631, 35.4271, 84.1729



38.8881, 34.0279, 99.1262



43.4133, 35.4371, 83.9087



14.3762, 14.8388, 19.0287



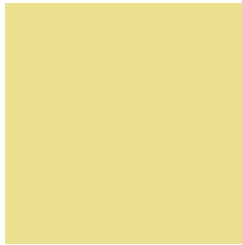
8.6256, 3.8982, 44.0408



0.7248, 0.4010, 3.4741

Previews

White Background



This preview shows how the XYZ color 66.5513, 73.6969, 37.1029 looks on a white background.

Color Contrast Check

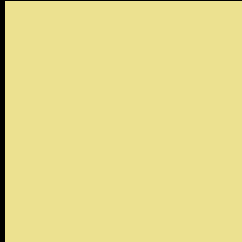
Large Text (above 18pt) WCAG AA × Fail

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 66.5513, 73.6969, 37.1029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

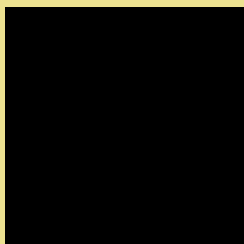
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.5513, 73.6969, 37.1029

Background



This preview shows how black text looks on a background with the XYZ color 66.5513, 73.6969, 37.1029.

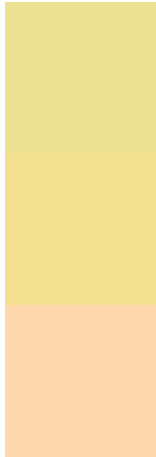


This preview shows how white text looks on a background with the XYZ color 66.5513, 73.6969,

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

66.5513, 73.6969, 37.1029

Protanopia

67.9636, 73.6358, 36.6177

Deuteranopia

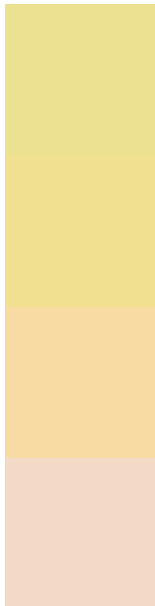
73.4358, 73.4277, 50.3469



Tritanopia

76.4764, 73.4555, 85.7489

Trichromacy



Original Color

66.5513, 73.6969, 37.1029

Protanomaly

67.5488, 73.8197, 36.6750

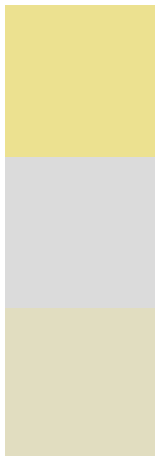
Deuteranomaly

70.6538, 73.2638, 45.0678

Tritanomaly

71.9982, 73.1436, 64.3562

Monochromacy



Original Color

66.5513, 73.6969, 37.1029

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

66.4222, 71.5262, 60.1743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.5513, 73.6969, 37.1029 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(236, 225, 144)` looks like.

```
.text, #text, p{  
    color:rgb(236, 225, 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(236, 225, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 225, 144) }
```

Border

The CSS property to change the border of an element to XYZ 66.5513, 73.6969, 37.1029 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(236, 225, 144) }
```


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

```
.border{ border-color:rgb(236, 225, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 225, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 225, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 225, 144);  
box-shadow:4px 4px 4px 4px rgb(236, 225,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 66.5513, 73.6969, 37.1029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 225, 144) }
```

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

```
.background{ background-color: rgb(236,  
225, 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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