

Converting Colors

XYZ(70.4197, 76.9342, 37.7010)

Have a look what the booklet for
XYZ(70.4197, 76.9342, 37.7010)
contains.

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Color

**XYZ(70.4336, 76.9129,
37.5190)**

Conversions

Conversions Part 1

Format	Color
Hex	F5E490
RGB	245, 228, 144
RGB Percent	96%, 89%, 56%
CMY	0.0392, 0.1059, 0.4353
CMYK	0.00, 0.07, 0.41, 0.04
HSL	50°, 83%, 76%
HSV	50°, 41%, 96%
XYZ	70.4336, 76.9129, 37.5190
YIQ	223.5070, 37.0960, -22.5200

Conversions

Conversions Part 2

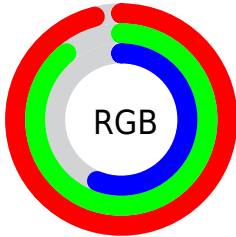
Format	Color
RYB	164, 245, 144
Decimal	16114832
CIELab	90.28, -5.65, 43.03
CIElCh	90, 43.398, 97.475
Yxy	76.9129, 0.3810, 0.4160
Android (android.graphics.Color)	4294304912 (0xFFFF5E490)
YUV	223.5070, -39.1970, 18.8494
Hunter-Lab	87.7000, -10.1181, 36.0251

Details

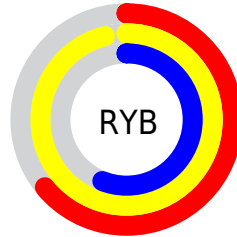
The XYZ color **70.4336, 76.9129, 37.5190** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.7276, 38.0104, 91.5762**, and the grayscale version is **70.7535, 74.4382, 81.0632**.

A 20% lighter version of the original color is **87.3088, 96.9035, 68.1354**, and **37.3689, 41.2246, 16.1128** is the 20% darker color. If you saturate the color by 10%, you get **67.6407, 74.0055, 28.3309**, and if you desaturate by 10%, it is **73.6637, 80.0440, 48.8593**.

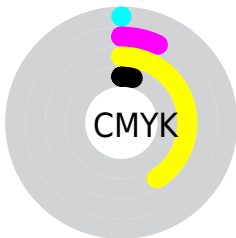
Distribution



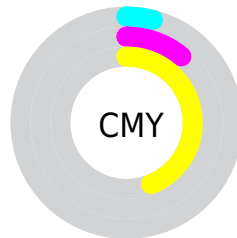
- Red (96%)
- Green (89%)
- Blue (56%)



- Red (64%)
- Yellow (96%)
- Blue (56%)



- Cyan (0%)
- Magenta (7%)
- Yellow (41%)
- Black (4%)



- Cyan (4%)
- Magenta (11%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.4336, 76.9129, 37.5190 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 70.4336, 76.9129, 37.5190 by changing the saturation by 10% instead.


 70.4336, 76.9129,
37.5190

 70.4336, 76.9129,
37.5190


451.3137,
484.4670, 350.7882

 52.1610, 57.1814,
25.3107

 118.8498,
129.0165, 72.5655

 37.3582, 41.1509,
16.0875


 149.7241,
162.1574, 96.2408

 25.6599, 28.4370,
9.4311


185.5296,
200.5369, 124.5754

 16.7007, 18.6553,
4.9228

226.6318,
244.5394, 157.9879

 10.1153, 11.4215,
2.1441

273.3959,
294.5492, 196.8970

 5.5383, 6.3511,
0.6418

326.1874,

 2.6044, 3.0597,

350.9509, 241.7210

0.0000

385.3715,
414.1287, 292.8786

■ 0.9482, 1.1630,
0.0000

■ 0.0000, 0.0312,
0.0000

■ 70.4336, 76.9129,
37.5190

■ 70.4336, 76.9129,
37.5190

■ 67.6407, 74.0055,
28.3309

■ 73.6637, 80.0440,
48.8593

■ 65.2525, 71.3002,
21.1502


■ 77.3498, 83.3983,
62.4742

■ 63.2412, 68.7883,
15.8222


■ 81.5160, 86.9885,
78.4829


■ 61.5723, 66.4557,
12.1671


■ 86.1834, 90.8233,
96.9946

 60.2048, 64.2858,
9.9694

 89.4637, 94.1477,
108.0648

 59.1960, 62.4923,
8.9423

 90.7493, 96.7189,
108.4934

 91.4661, 98.1524,
108.7323

Harmonies

Analogous

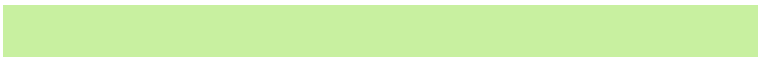
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.3545, 76.9129, 39.9304



70.4336, 76.9129, 37.5190



61.1775, 76.9129, 44.8438

Triad

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



70.4336, 76.9129, 37.5190



57.8239, 76.9129, 125.4135



94.0227, 76.9129, 108.6690

Complementary

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



70.4336, 76.9129, 37.5190



40.7276, 38.0104, 91.5762

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.



86.4865, 76.9129, 140.3969



70.4336, 76.9129, 37.5190



65.4299, 76.9129, 151.6072

Square

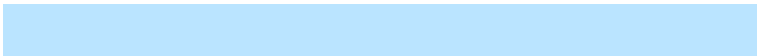
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.4336, 76.9129, 37.5190



54.3784, 76.9129, 91.7272



75.8398, 76.9129, 157.6774



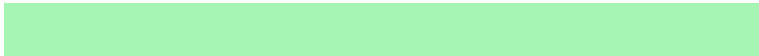
95.6981, 76.9129, 76.2400

Rectangle

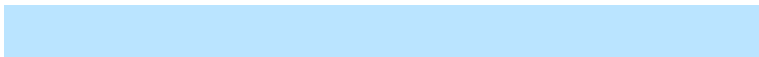
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.4336, 76.9129, 37.5190



56.9479, 76.9129, 55.6546



75.8398, 76.9129, 157.6774



92.0573, 76.9129, 119.9827

Sweetspot

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



70.4355, 76.9164, 37.5206



88.8883, 94.9424, 84.4466



54.1975, 41.9868, 39.6724



18.8926, 20.2088, 17.5571



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.



70.4355, 76.9164, 37.5206



74.6887, 81.7053, 32.9709



65.1322, 81.4671, 38.6785



17.6635, 18.8111, 17.4975



31.9791, 33.8438, 4.8470



2.8722, 3.0976, 0.4465

Inverse Universe

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



40.7276, 38.0104, 91.5762



38.3420, 34.1267, 99.1740



44.3561, 35.7682, 90.9521



15.8064, 16.3772, 20.8706



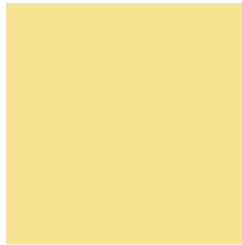
9.3773, 4.5484, 46.9217



0.8875, 0.5264, 4.1451

Previews

White Background



This preview shows how the XYZ color 70.4336, 76.9129, 37.5190 looks on a white background.

Color Contrast Check

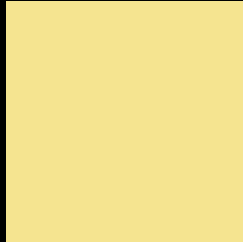
Large Text (above 18pt) WCAG AA × Fail

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 70.4336, 76.9129, 37.5190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

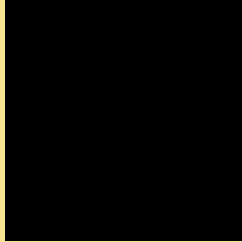
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.4336, 76.9129, 37.5190

Background



This preview shows how black text looks on a background with the XYZ color 70.4336, 76.9129, 37.5190.



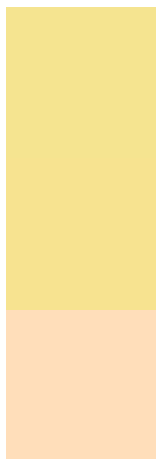
This preview shows how white text looks on a background with the XYZ color 70.4336, 76.9129,

37.5190.

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

70.4336, 76.9129, 37.5190

Protanopia

70.8609, 76.7259, 37.4604

Deuteranopia

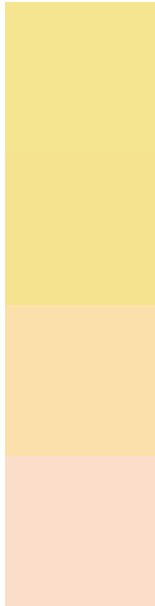
76.2242, 77.0477, 57.3086



Tritanopia

80.9041, 76.8262, 88.4067

Trichromacy



Original Color

70.4336, 76.9129, 37.5190

Protanomaly

70.5092, 76.5446, 37.4439

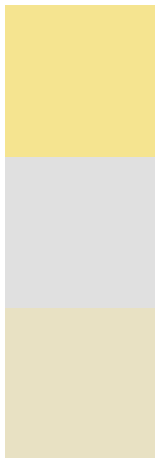
Deuteranomaly

73.7900, 76.7608, 49.4552

Tritanomaly

76.1827, 76.4392, 65.9973

Monochromacy



Original Color

70.4336, 76.9129, 37.5190

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.0543, 74.9464, 62.4036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.4336, 76.9129, 37.5190 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(245, 228, 144)` looks like.

```
.text, #text, p{  
    color:rgb(245, 228, 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(245, 228, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 228, 144) }
```

Border

The CSS property to change the border of an element to XYZ 70.4336, 76.9129, 37.5190 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(245, 228, 144) }
```


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

```
.border{ border-color:rgb(245, 228, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 228, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 228, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 228, 144);  
box-shadow:4px 4px 4px 4px rgb(245, 228,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4336, 76.9129, 37.5190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 228, 144) }
```

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

```
.background{ background-color: rgb(245,  
228, 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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