

Converting Colors

XYZ(78.7875, 80.0270, 37.0933)

Have a look what the booklet for
XYZ(78.7875, 80.0270, 37.0933)
contains.

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Color

**XYZ(73.1231, 77.0936,
37.0131)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE18F
RGB	255, 225, 143
RGB Percent	100%, 88%, 56%
CMY	0.0000, 0.1176, 0.4392
CMYK	0.00, 0.12, 0.44, 0.00
HSL	44°, 100%, 78%
HSV	44°, 44%, 100%
XYZ	73.1231, 77.0936, 37.0131
YIQ	224.6220, 44.2020, -19.1420

Conversions

Conversions Part 2

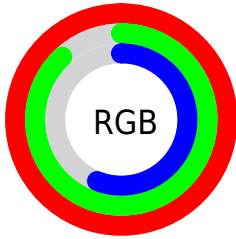
Format	Color
RYB	184, 255, 143
Decimal	16769423
CIELab	90.36, -0.32, 43.81
CIELCh	90, 43.807, 90.415
Yxy	77.0936, 0.3906, 0.4118
Android (android.graphics.Color)	4294959503 (0xFFFFE18F)
YUV	224.6220, -40.2396, 26.6415
Hunter-Lab	87.8030, -4.9988, 36.4685

Details

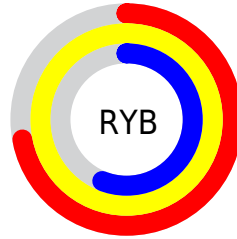
The XYZ color **73.1231, 77.0936, 37.0131** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **44.3207, 42.9452, 100.5608**, and the grayscale version is **71.5557, 75.2822, 81.9823**.

A 20% lighter version of the original color is **87.1930, 96.8572, 67.5258**, and **39.0280, 41.2405, 15.8008** is the 20% darker color. If you saturate the color by 10%, you get **69.5979, 72.7912, 27.3668**, and if you desaturate by 10%, it is **77.1650, 81.7265, 48.9994**.

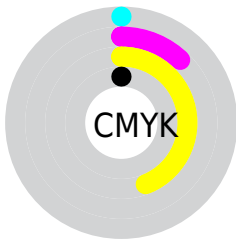
Distribution



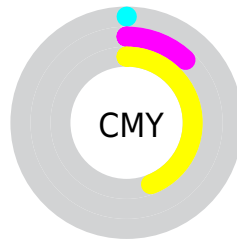
- Red (100%)
- Green (88%)
- Blue (56%)



- Red (72%)
- Yellow (100%)
- Blue (56%)



- Cyan (0%)
- Magenta (12%)
- Yellow (44%)
- Black (0%)





- Cyan (0%)
- Magenta (12%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.1231, 77.0936, 37.0131 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 73.1231, 77.0936, 37.0131 by changing the saturation by 10% instead.


 73.1231, 77.0936,
37.0131

 73.1231, 77.0936,
37.0131


460.5385,
485.0831, 348.5376

 54.3654, 57.3297,
24.9218


 122.6541,
129.2716, 71.7795

 39.1257, 41.2700,
15.8003


 154.1582,
162.4545, 95.2916

 27.0387, 28.5301,
9.2301

190.6416,
200.8792, 123.4478

 17.7390, 18.7257,
4.7927

232.4699,
244.9300, 156.6665

 10.8613, 11.4722,
2.0696

280.0084,
294.9914, 195.3663

 6.0403, 6.3854,
0.5976

333.6225,

 2.9105, 3.0808,

351.4478, 239.9657

0.0000

393.6774,
414.6836, 290.8833

■ 1.1066, 1.1741,
0.0000

■ 0.0306, 0.0404,
0.0000

■ 73.1231, 77.0936,
37.0131

■ 73.1231, 77.0936,
37.0131

■ 69.5979, 72.7912,
27.3668

■ 77.1650, 81.7265,
48.9994

■ 66.5528, 68.7947,
19.8968

■ 81.7461, 86.6918,
63.4650

■ 63.9548, 65.0925,
14.4256

■ 86.8942, 92.0047,
80.5439

■ 61.7637, 61.6671,
10.7457

■ 92.6334, 97.6761,
100.3590

■ 59.9305, 58.4973,
8.6034

95.0499, 99.9999,
108.9000

■ 58.9488, 56.6778,
7.8330

Harmonies

Analogous

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



84.1422, 77.0936, 41.7440



73.1231, 77.0936, 37.0131



63.1475, 77.0936, 42.0181

Triad

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



73.1231, 77.0936, 37.0131



56.6130, 77.0936, 118.2273



93.1009, 77.0936, 117.2815

Complementary

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



73.1231, 77.0936, 37.0131



44.3207, 42.9452, 100.5608

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.



84.4315, 77.0936, 147.2389



73.1231, 77.0936, 37.0131



63.3865, 77.0936, 147.8736

Square

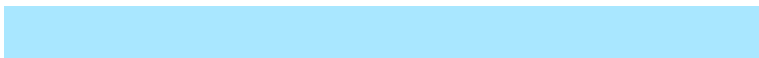
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.1231, 77.0936, 37.0131



54.2143, 77.0936, 84.3784



73.4274, 77.0936, 159.6082



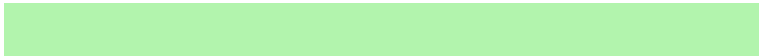
96.3498, 77.0936, 83.5068

Rectangle

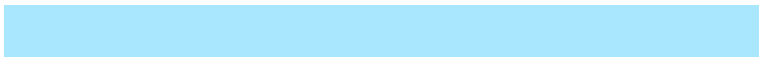
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.1231, 77.0936, 37.0131



58.2502, 77.0936, 51.1485



73.4274, 77.0936, 159.6082



90.6842, 77.0936, 128.4048

Sweetspot

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



73.1250, 77.0972, 37.0147



87.3977, 92.5119, 82.2521



58.7745, 43.9903, 45.8143



18.4502, 19.5423, 16.7371



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.



73.1250, 77.0972, 37.0147



69.9022, 73.1746, 28.1615



73.5871, 90.4477, 39.5672



19.1256, 20.2193, 19.0390



30.9317, 29.8746, 4.1361



3.1018, 3.0890, 0.4327

Inverse Universe

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



44.3207, 42.9452, 100.5608



37.6707, 34.9938, 99.3768



43.8659, 35.1104, 99.0725



17.3987, 18.1689, 22.8399



10.6248, 6.1593, 50.0635



1.1199, 0.7705, 4.9030

Previews

White Background



This preview shows how the XYZ color 73.1231, 77.0936, 37.0131 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 73.1231, 77.0936, 37.0131 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 73.1231, 77.0936, 37.0131

Background



This preview shows how black text looks on a background with the XYZ color 73.1231, 77.0936, 37.0131.



This preview shows how white text looks on a background with the XYZ color 73.1231, 77.0936,

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

73.1231, 77.0936, 37.0131

Protanopia

71.4888, 77.4569, 37.5684

Deuteranopia

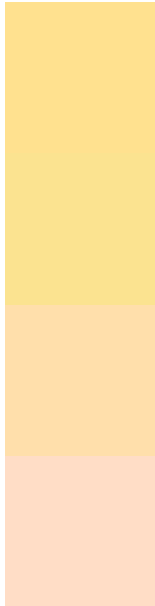
76.3309, 77.0904, 57.8706



Tritanopia

80.5943, 77.1160, 85.5000

Trichromacy



Original Color

73.1231, 77.0936, 37.0131

Protanomaly

72.2868, 77.4610, 37.5271

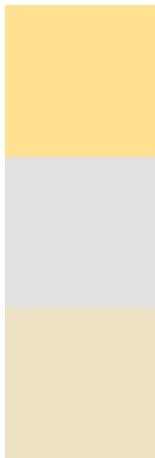
Deuteranomaly

74.9784, 76.9756, 49.4341

Tritanomaly

77.2895, 77.0501, 64.2246

Monochromacy



Original Color

73.1231, 77.0936, 37.0131

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

71.3676, 75.6234, 62.4651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.1231, 77.0936, 37.0131 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(255, 225, 143)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 143)  
}
```

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(255, 225, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 143) }
```

Border

The CSS property to change the border of an element to XYZ 73.1231, 77.0936, 37.0131 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(255, 225, 143) }
```


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

```
.border{ border-color:rgb(255, 225, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 225, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 225, 143); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 225, 143); box-shadow:4px 4px 4px 4px rgb(255, 225, 143) }
```

Background

The CSS property to change the background color of an element to XYZ 73.1231, 77.0936, 37.0131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 225, 143) }
```

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

```
.background{ background-color: rgb(255,  
225, 143) }
```

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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