

Converting Colors

XYZ(106.4304, 100.0000,
38.6270)

Have a look what the booklet for
XYZ(106.4304, 100.0000, 38.6270)
contains.

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Color

**XYZ(76.8401, 84.8865,
37.1458)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEF8C
RGB	255, 239, 140
RGB Percent	100%, 94%, 55%
CMY	0.0000, 0.0627, 0.4510
CMYK	0.00, 0.06, 0.45, 0.00
HSL	52°, 100%, 77%
HSV	52°, 45%, 100%
XYZ	76.8401, 84.8865, 37.1458
YIQ	232.4980, 41.3150, -27.3970

Conversions

Conversions Part 2

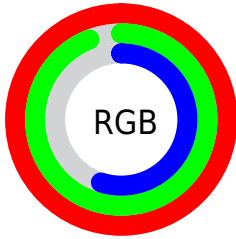
Format	Color
R_{YB}	159, 255, 140
Decimal	16773004
CIE _{Lab}	93.83, -7.64, 49.62
CIE _{LCh}	94, 50.205, 98.750
Yxy	84.8865, 0.3864, 0.4268
Android (android.graphics.Color)	4294963084 (0xFFFFEF8C)
YUV	232.4980, -45.6015, 19.7343
Hunter-Lab	92.1339, -12.3644, 40.5896

Details

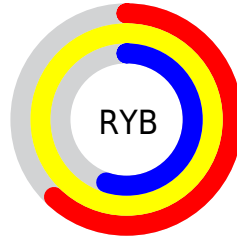
The XYZ color **76.8401, 84.8865, 37.1458** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.7534, 36.5712, 99.5184**, and the grayscale version is **77.3866, 81.4167, 88.6628**.

A 20% lighter version of the original color is **86.8503, 96.7201, 65.7211**, and **41.4187, 46.2909, 15.7689** is the 20% darker color. If you saturate the color by 10%, you get **74.1462, 82.1670, 28.0220**, and if you desaturate by 10%, it is **79.9943, 87.8289, 48.5743**.

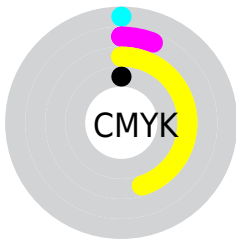
Distribution



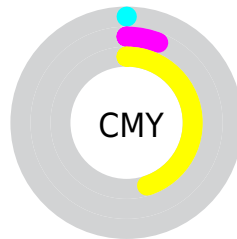
- Red (100%)
- Green (94%)
- Blue (55%)



- Red (62%)
- Yellow (100%)
- Blue (55%)



- Cyan (0%)
- Magenta (6%)
- Yellow (45%)
- Black (0%)



- Cyan (0%)
- Magenta (6%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8401, 84.8865, 37.1458 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 76.8401, 84.8865, 37.1458 by changing the saturation by 10% instead.

76.8401, 84.8865,
37.1458

76.8401, 84.8865,
37.1458

473.1190,
511.2524, 349.1290

57.4211, 63.7476,
25.0237

127.8878,
140.2146, 71.9858

41.5849, 46.4463,
15.8756

160.2472,
175.1726, 95.5408

28.9661, 32.5981,
9.2827

197.6508,
215.5057, 123.7439

19.1993, 21.8188,
4.8267

240.4639,
261.5984, 157.0135

11.9192, 13.7238,
2.0890

289.0520,
313.8350, 195.7683

6.7605, 7.9288,
0.6092

343.7802,

3.3578, 4.0494,

372.5999, 240.4268

0.0000

405.0141,
438.2776, 291.4075

■ 1.3457, 1.7013,
0.0000

■ 0.2170, 0.4245,
0.0000

■ 76.8401, 84.8865,
37.1458

■ 76.8401, 84.8865,
37.1458

■ 74.1462, 82.1670,
28.0220

■ 79.9943, 87.8289,
48.5743

■ 71.8756, 79.6461,
21.0368

■ 83.6301, 90.9937,
62.4476

■ 69.9959, 77.3139,
16.0106

■ 87.7753, 94.3951,
78.9009

■ 68.4667, 75.1538,
12.7315

■ 92.4532, 98.0428,
98.0579

■ 67.2385, 73.1460,
10.9389

95.0498, 99.9999,
108.9000

■ 66.7115, 72.2033,
10.4206

Harmonies

Analogous

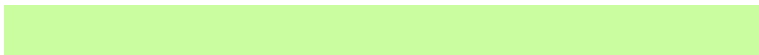
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.3475, 84.8865, 39.4480



76.8401, 84.8865, 37.1458



65.6586, 84.8865, 46.1327

Triad

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



76.8401, 84.8865, 37.1458



62.2736, 84.8865, 146.4975



107.0475, 84.8865, 121.7132

Complementary

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



76.8401, 84.8865, 37.1458



40.7534, 36.5712, 99.5184

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.



97.8384, 84.8865, 162.4292



76.8401, 84.8865, 37.1458



71.7318, 84.8865, 179.2644

Square

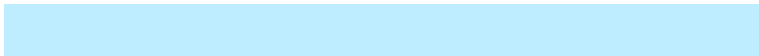
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.8401, 84.8865, 37.1458



57.8786, 84.8865, 104.0666



84.6500, 84.8865, 185.7850



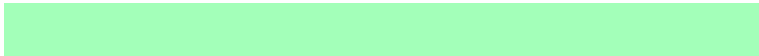
108.8037, 84.8865, 81.6893

Rectangle

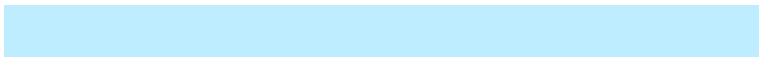
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.8401, 84.8865, 37.1458



60.6673, 84.8865, 59.2952



84.6500, 84.8865, 185.7850



104.6758, 84.8865, 136.0492

Sweetspot

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



76.8422, 84.8904, 37.1475



88.2623, 94.7833, 80.8682



56.7257, 42.4599, 37.2172



18.6881, 20.1248, 16.4875



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

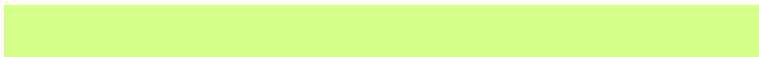
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.8422, 84.8904, 37.1475



74.4208, 82.4559, 28.9154



68.4449, 87.8226, 38.1561



19.3332, 20.6345, 19.1082



34.9413, 37.8939, 5.4726



3.4588, 3.8030, 0.5518

Inverse Universe

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



40.7534, 36.5712, 99.5184



34.2942, 28.7581, 98.3511



46.3095, 35.7105, 99.0594



17.2067, 17.7850, 22.7759



9.8143, 4.5381, 49.7933



1.0145, 0.5598, 4.8678

Previews

White Background



This preview shows how the XYZ color 76.8401, 84.8865, 37.1458 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 76.8401, 84.8865, 37.1458 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 76.8401, 84.8865, 37.1458

Background



This preview shows how black text looks on a background with the XYZ color 76.8401, 84.8865, 37.1458.

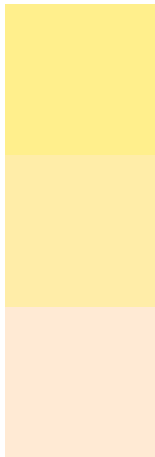


This preview shows how white text looks on a background with the XYZ color 76.8401, 84.8865,

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

76.8401, 84.8865, 37.1458

Protanopia

78.5921, 84.6555, 49.2437

Deuteranopia

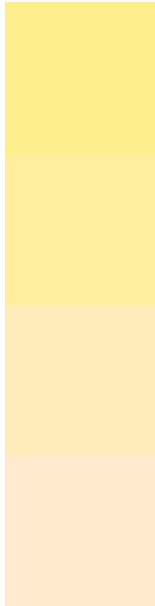
82.5465, 84.8591, 74.3161



Tritanopia

85.8429, 84.8226, 95.8524

Trichromacy



Original Color

76.8401, 84.8865, 37.1458

Protanomaly

77.9861, 84.8777, 44.6205

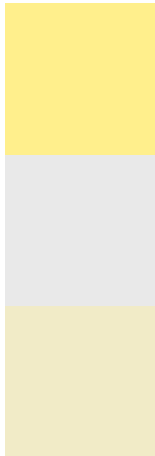
Deuteranomaly

80.0984, 84.7961, 58.6000

Tritanomaly

81.6823, 84.5134, 69.7652

Monochromacy



Original Color

76.8401, 84.8865, 37.1458

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

76.2928, 82.2410, 65.8859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.8401, 84.8865, 37.1458 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, 239, 140)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 140)  
}
```

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, 239, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 140) }
```

Border

The CSS property to change the border of an element to XYZ 76.8401, 84.8865, 37.1458 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, 239, 140) }
```


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

```
.border{ border-color:rgb(255, 239, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 140);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 76.8401, 84.8865, 37.1458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 140) }
```

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

```
.background{ background-color: rgb(255,  
239, 140) }
```

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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