

Converting Colors

XYZ(74.6159, 80.1532, 37.2826)

Have a look what the booklet for
XYZ(74.6159, 80.1532, 37.2826)
contains.

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Color

**XYZ(74.6984, 80.3648,
37.1661)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE78E
RGB	255, 231, 142
RGB Percent	100%, 91%, 56%
CMY	0.0000, 0.0941, 0.4431
CMYK	0.00, 0.09, 0.44, 0.00
HSL	47°, 100%, 78%
HSV	47°, 44%, 100%
XYZ	74.6984, 80.3648, 37.1661
YIQ	228.0300, 42.8730, -22.5910

Conversions

Conversions Part 2

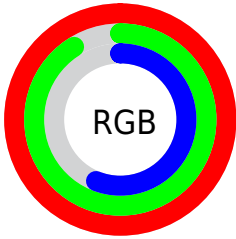
Format	Color
R _Y B	172, 255, 142
Decimal	16770958
CIE Lab	91.85, -3.45, 46.17
CIE LCh	92, 46.300, 94.268
Yxy	80.3648, 0.3886, 0.4181
Android (android.graphics.Color)	4294961038 (0xFFFFE78E)
YUV	228.0300, -42.4128, 23.6527
Hunter-Lab	89.6464, -8.1451, 38.1717

Details

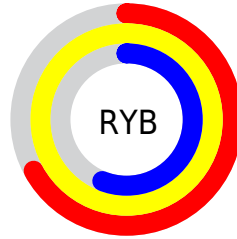
The XYZ color **74.6984, 80.3648, 37.1661** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **42.8412, 40.2419, 100.1171**, and the grayscale version is **74.0451, 77.9012, 84.8344**.

A 20% lighter version of the original color is **87.0780, 96.8112, 66.9203**, and **40.1357, 43.5246, 15.9586** is the 20% darker color. If you saturate the color by 10%, you get **71.5072, 76.7037, 27.7132**, and if you desaturate by 10%, it is **78.3784, 84.3023, 48.9443**.

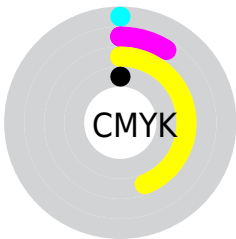
Distribution



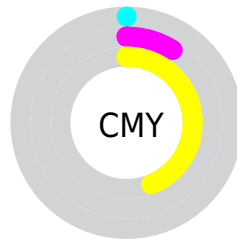
- Red (100%)
- Green (91%)
- Blue (56%)



- Red (67%)
- Yellow (100%)
- Blue (56%)



- Cyan (0%)
- Magenta (9%)
- Yellow (44%)
- Black (0%)



- Cyan (0%)
- Magenta (9%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 74.6984, 80.3648, 37.1661 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 74.6984, 80.3648, 37.1661 by changing the saturation by 10% instead.

74.6984, 80.3648,
37.1661

74.6984, 80.3648,
37.1661

465.8935,
496.1614, 349.2194

55.6591, 60.0186,
25.0393

124.8755,
133.8785, 72.0174

40.1656, 43.4336,
15.8871

156.7441,
167.8148, 95.5789

27.8525, 30.2255,
9.2908

193.6199,
207.0499, 123.7892

18.3544, 20.0098,
4.8319

235.8681,
251.9682, 157.0666

11.3059, 12.4022,
2.0920

283.8543,
302.9541, 195.8298

6.3418, 7.0182,
0.6110

337.9436,

3.0966, 3.4735,

360.3920, 240.4973

0.0000

398.5016,
424.6663, 291.4877

■ 1.2051, 1.3836,
0.0000

■ 0.1104, 0.2046,
0.0000

■ 74.6984, 80.3648,
37.1661

■ 74.6984, 80.3648,
37.1661

■ 71.5072, 76.7037,
27.7132

■ 78.3784, 84.3023,
48.9443

■ 68.7682, 73.2950,
20.4210

■ 82.5691, 88.5168,
63.1872

■ 66.4488, 70.1277,
15.1115

■ 87.2980, 93.0229,
80.0291

■ 64.5090, 67.1853,
11.5758

■ 92.5890, 97.8308,
99.5932

■ 62.8998, 64.4474, 95.0499, 100.0000,
9.5580 108.9000

■ 62.0927, 62.9654,
8.8809

Harmonies

Analogous

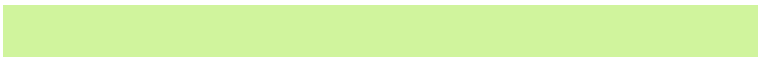
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7281, 80.3648, 40.8412



74.6984, 80.3648, 37.1661



64.2405, 80.3648, 43.8385

Triad

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



74.6984, 80.3648, 37.1661



59.0326, 80.3648, 129.7091



98.8443, 80.3648, 119.0611

Complementary

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



74.6984, 80.3648, 37.1661



42.8412, 40.2419, 100.1171

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.



89.9695, 80.3648, 153.3999



74.6984, 80.3648, 37.1661



66.8975, 80.3648, 160.5814

Square

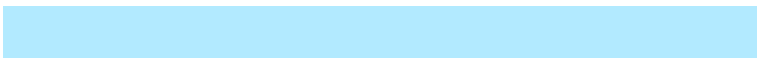
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.6984, 80.3648, 37.1661



55.8099, 80.3648, 92.4586



78.0954, 80.3648, 170.2121



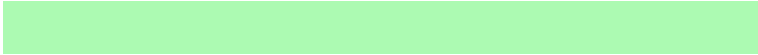
101.4799, 80.3648, 82.7288

Rectangle

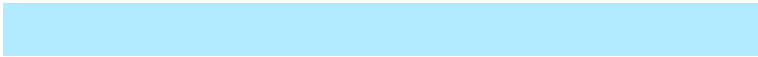
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.6984, 80.3648, 37.1661



59.3148, 80.3648, 54.6127



78.0954, 80.3648, 170.2121



96.4497, 80.3648, 131.4963

Sweetspot

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



74.7004, 80.3685, 37.1677



87.9602, 93.6368, 82.4396



57.8409, 43.3778, 41.6344



18.5900, 19.8219, 16.7837



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

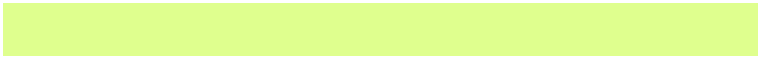
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.7004, 80.3685, 37.1677



71.8999, 77.1700, 28.8274



71.0691, 89.1584, 39.0557



19.2146, 20.3974, 19.0687



32.5577, 33.1266, 4.6781



3.2479, 3.3811, 0.4814

Inverse Universe

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



42.8412, 40.2419, 100.1171



36.4509, 32.5542, 98.9702



45.1830, 35.5675, 99.0914



17.3155, 18.0027, 22.8122



10.2110, 5.3316, 49.9255



1.0692, 0.6691, 4.8861

Previews

White Background



This preview shows how the XYZ color 74.6984, 80.3648, 37.1661 looks on a white background.

Color Contrast Check

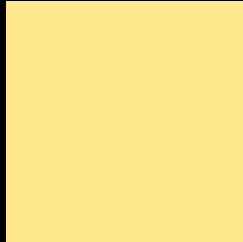
Large Text (above 18pt) WCAG AA × Fail

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 74.6984, 80.3648, 37.1661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

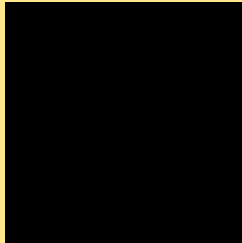
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 74.6984, 80.3648, 37.1661

Background



This preview shows how black text looks on a background with the XYZ color 74.6984, 80.3648, 37.1661.



This preview shows how white text looks on a background with the XYZ color 74.6984, 80.3648,

37.1661.

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

74.6984, 80.3648, 37.1661

Protanopia

74.2471, 80.5489, 37.2254

Deuteranopia

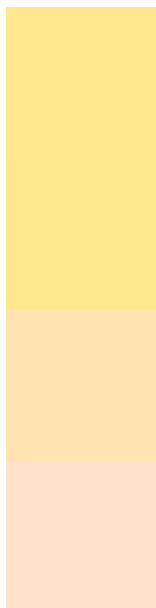
78.9021, 80.2754, 64.7622



Tritanopia

82.6231, 80.0335, 89.6906

Trichromacy



Original Color

74.6984, 80.3648, 37.1661

Protanomaly

74.6121, 80.7371, 37.2425

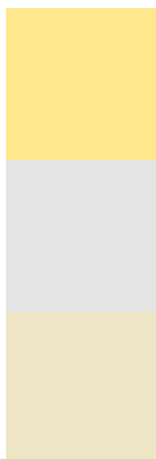
Deuteranomaly

77.0193, 79.9612, 53.4942

Tritanomaly

78.9790, 79.8698, 66.5121

Monochromacy



Original Color

74.6984, 80.3648, 37.1661

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

73.3573, 78.2470, 64.0602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.6984, 80.3648, 37.1661 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, 231, 142)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 142)  
}
```

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, 231, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 142) }
```

Border

The CSS property to change the border of an element to XYZ 74.6984, 80.3648, 37.1661 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, 231, 142) }
```


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

```
.border{ border-color:rgb(255, 231, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 142);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 74.6984, 80.3648, 37.1661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 142) }
```

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

```
.background{ background-color: rgb(255,  
231, 142) }
```

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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