

Converting Colors

XYZ(80.1006, 90.2374, 74.1686)

Have a look what the booklet for
XYZ(80.1006, 90.2374, 74.1686)
contains.

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Color

**XYZ(80.1006, 90.2374,
74.1686)**

Conversions

Conversions Part 1

Format	Color
Hex	ECF9D2
RGB	236, 249, 210
RGB Percent	93%, 98%, 82%
CMY	0.0745, 0.0235, 0.1765
CMYK	0.05, 0.00, 0.16, 0.02
HSL	80°, 76%, 90%
HSV	80°, 16%, 98%
XYZ	80.1006, 90.2374, 74.1686
YIQ	240.6670, 4.7710, -14.8850

Conversions

Conversions Part 2

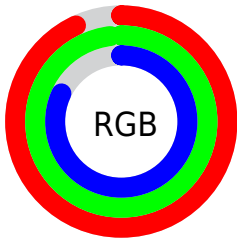
Format	Color
R _Y B	210, 249, 223
Decimal	15530450
CIE Lab	96.10, -10.89, 17.29
CIE LCh	96, 20.434, 122.190
Yxy	90.2374, 0.3276, 0.3691
Android (android.graphics.Color)	4293720530 (0xFFE9F9D2)
YUV	240.6670, -15.1188, -4.0930
Hunter-Lab	94.9934, -15.7231, 20.2031

Details

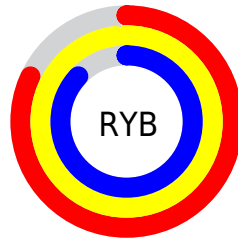
The XYZ color **80.1006, 90.2374, 74.1686** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **70.5806, 68.6232, 99.1531**, and the grayscale version is **83.4619, 87.8084, 95.6233**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8087, 50.2098, 38.3928** is the 20% darker color. If you saturate the color by 10%, you get **74.5445, 87.7068, 58.9553**, and if you desaturate by 10%, it is **86.2725, 93.0350, 91.9341**.

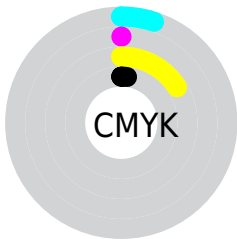
Distribution



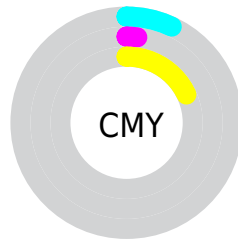
- Red (93%)
- Green (98%)
- Blue (82%)



- Red (82%)
- Yellow (98%)
- Blue (87%)



- Cyan (5%)
- Magenta (0%)
- Yellow (16%)
- Black (2%)



- Cyan (7%)
- Magenta (2%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.1006, 90.2374, 74.1686 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 80.1006, 90.2374, 74.1686 by changing the saturation by 10% instead.

80.1006, 90.2374,
74.1686

80.1006, 90.2374,
74.1686

484.0032,
528.8028, 494.2340

60.1099, 68.1776,
54.4344

132.4569,
147.6681, 126.8710

43.7570, 50.0422,
38.5535

165.5533,
183.8078, 160.6764

30.6766, 35.4469,
26.1074

203.7489,
225.4095, 200.0092

20.5033, 24.0074,
16.6775

247.4091,
272.8577, 245.2880

12.8718, 15.3391,
9.8453

296.8993,
326.5367, 296.9313

7.4167, 9.0577,
5.1923

352.5848,

3.7727, 4.7788,

386.8309, 355.3577

2.2998

414.8310,
454.1249, 420.9858

■ 1.5744, 2.1181,
0.7311

■ 0.3756, 0.6748,
0.0000

■ 80.1006, 90.2374,
74.1686

■ 80.1006, 90.2374,
74.1686

■ 74.5445, 87.7068,
58.9553

■ 86.2725, 93.0350,
91.9341

■ 69.5729, 85.4217,
46.1711

■ 92.2923, 95.7839,
108.2316

■ 65.1625, 83.3754,
35.6913

■ 93.1675, 96.2351,
108.2725

■ 61.2854, 81.5567,
27.3781

■ 57.9107, 79.9529,
21.0789

■ 55.0038, 78.5500,
16.6210

■ 52.5245, 77.3317,
13.8032

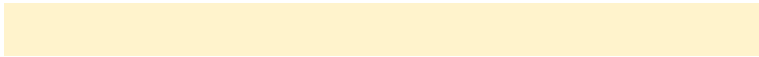
■ 50.4236, 76.2781,
12.3760

■ 49.5992, 75.8599,
12.0283

Harmonies

Analogous

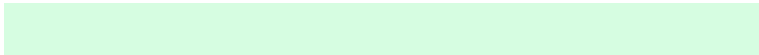
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.3528, 90.2374, 70.2858



80.1006, 90.2374, 74.1686



76.4986, 90.2374, 84.4190

Triad

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



80.1006, 90.2374, 74.1686



80.7907, 90.2374, 128.4762



97.1077, 90.2374, 97.0672

Complementary

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



80.1006, 90.2374, 74.1686



70.5806, 68.6232, 99.1531

Split Complementary

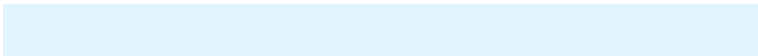
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.7573, 90.2374, 113.5217



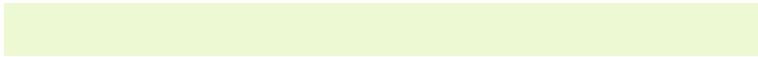
80.1006, 90.2374, 74.1686



86.1844, 90.2374, 132.8008

Square

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



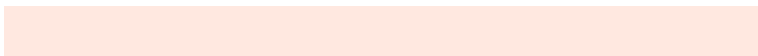
80.1006, 90.2374, 74.1686



76.8845, 90.2374, 115.8079



91.6965, 90.2374, 127.0575



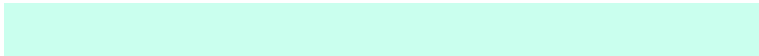
95.3105, 90.2374, 82.5687

Rectangle

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



80.1006, 90.2374, 74.1686



75.4326, 90.2374, 94.0787



91.6965, 90.2374, 127.0575



97.0067, 90.2374, 102.5493

Sweetspot

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



80.1030, 90.2413, 74.1705



91.5178, 98.4084, 98.3726



77.0908, 77.5712, 71.8837



19.4852, 21.0168, 20.7513



0.0000, 0.0000, 0.0000



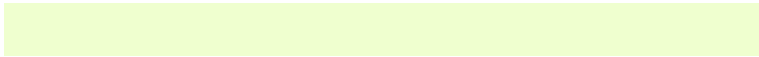
20.3446, 21.4041, 23.3091

Same Dimension

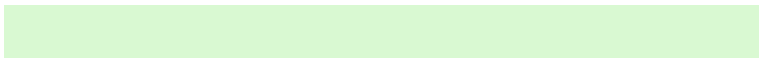
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.1030, 90.2413, 74.1705



82.5119, 94.3268, 72.6015



73.9783, 87.0839, 73.8839



18.1322, 19.8839, 18.3447



26.7051, 40.6853, 6.4455



2.5857, 3.8261, 0.6022

Inverse Universe

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



70.5806, 68.6232, 99.1531



70.5945, 67.2690, 103.8712



76.9386, 71.9009, 99.4506



16.8283, 16.9241, 21.7650



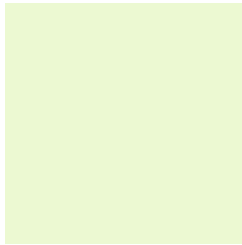
11.1975, 4.7152, 48.2935



1.1445, 0.4921, 4.4778

Previews

White Background



This preview shows how the XYZ color 80.1006, 90.2374, 74.1686 looks on a white background.

Color Contrast Check

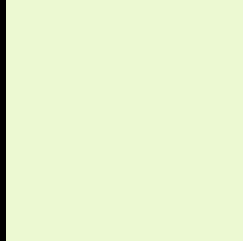
Large Text (above 18pt) WCAG AA × Fail

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 80.1006, 90.2374, 74.1686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

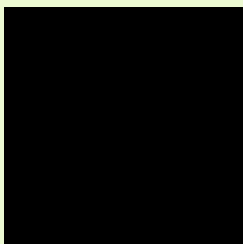
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

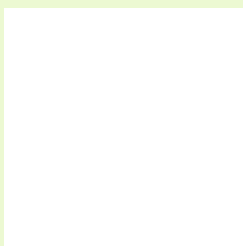
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.1006, 90.2374, 74.1686

Background



This preview shows how black text looks on a background with the XYZ color 80.1006, 90.2374, 74.1686.



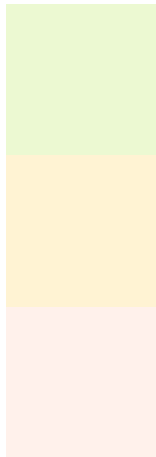
This preview shows how white text looks on a background with the XYZ color 80.1006, 90.2374,

74.1686.

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

80.1006, 90.2374, 74.1686

Protanopia

85.0485, 90.0643, 74.5296

Deuteranopia

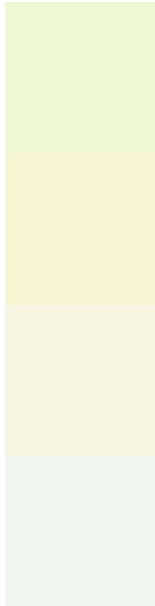
87.6907, 90.1688, 91.3798



Tritanopia

87.1104, 89.9574, 107.3800

Trichromacy



Original Color

80.1006, 90.2374, 74.1686

Protanomaly

83.1217, 89.9644, 74.6119

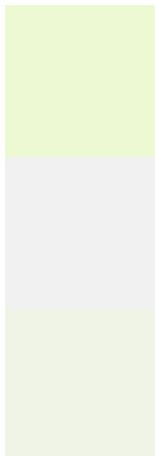
Deuteranomaly

84.7896, 90.1488, 84.8831

Tritanomaly

84.5080, 90.2376, 94.6249

Monochromacy



Original Color

80.1006, 90.2374, 74.1686

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

82.2302, 88.7653, 87.6623

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.1006, 90.2374, 74.1686 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, 249, 210)` looks like.

```
.text, #text, p{  
    color:rgb(236, 249, 210)  
}
```

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, 249, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 249, 210) }
```

Border

The CSS property to change the border of an element to XYZ 80.1006, 90.2374, 74.1686 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, 249, 210) }
```


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

```
.border{ border-color:rgb(236, 249, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 249, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 249, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 249, 210);  
box-shadow:4px 4px 4px 4px rgb(236, 249,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 80.1006, 90.2374, 74.1686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 249, 210) }
```

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

```
.background{ background-color: rgb(236,  
249, 210) }
```

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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