

Converting Colors

XYZ(74.8965, 81.7991, 34.0316)

Have a look what the booklet for
XYZ(74.8965, 81.7991, 34.0316)
contains.

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Color

**XYZ(74.8965, 81.7991,
34.0316)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEA85
RGB	255, 234, 133
RGB Percent	100%, 92%, 52%
CMY	0.0000, 0.0823, 0.4784
CMYK	0.00, 0.08, 0.48, 0.00
HSL	50°, 100%, 76%
HSV	50°, 48%, 100%
XYZ	74.8965, 81.7991, 34.0316
YIQ	228.7650, 44.9370, -26.9590

Conversions

Conversions Part 2

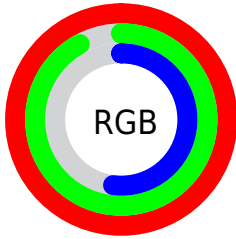
Format	Color
R_{YB}	158, 255, 133
Decimal	16771717
CIE Lab	92.49, -5.79, 51.32
CIE LCh	92, 51.642, 96.434
Yxy	81.7991, 0.3927, 0.4289
Android (android.graphics.Color)	4294961797 (0xFFFFEA85)
YUV	228.7650, -47.2121, 23.0081
Hunter-Lab	90.4429, -10.4576, 41.0005

Details

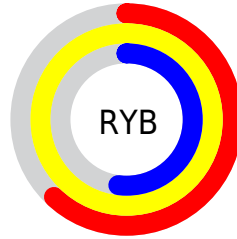
The XYZ color **74.8965, 81.7991, 34.0316** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.2782, 35.3166, 99.3542**, and the grayscale version is **74.6182, 78.5041, 85.4910**.

A 20% lighter version of the original color is **86.0771, 96.4108, 61.6494**, and **40.3330, 44.5551, 14.0636** is the 20% darker color. If you saturate the color by 10%, you get **72.1111, 78.7137, 25.4416**, and if you desaturate by 10%, it is **78.1444, 85.1251, 44.8872**.

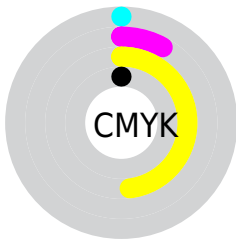
Distribution



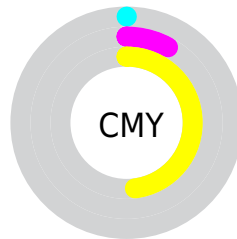
- Red (100%)
- Green (92%)
- Blue (52%)



- Red (62%)
- Yellow (100%)
- Blue (52%)



- Cyan (0%)
- Magenta (8%)
- Yellow (48%)
- Black (0%)





- Cyan (0%)
- Magenta (8%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.8965, 81.7991, 34.0316 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 74.8965, 81.7991, 34.0316 by changing the saturation by 10% instead.


 74.8965, 81.7991,
34.0316

 74.8965, 81.7991,
34.0316


466.5644,
500.9754, 335.0464


 55.8220, 61.2000,
22.6403


 125.1545,
135.8922, 67.1173

 40.2966, 44.3866,
14.1253


 157.0688,
170.1550, 89.6487

 27.9552, 30.9745,
8.0682


 193.9936,
209.7411, 116.7307

 18.4321, 20.5794,
4.0502

236.2944,
255.0350, 148.7816

 11.3622, 12.8169,
1.6529

284.3365,
306.4209, 186.2201

 6.3801, 7.3026,
0.3282

338.4853,

 3.1204, 3.6521,

364.2834, 229.4647

0.0000

399.1062,
429.0068, 278.9340

■ 1.2178, 1.4809,
0.0000

■ 0.1203, 0.2752,
0.0000

■ 74.8965, 81.7991,
34.0316

■ 74.8965, 81.7991,
34.0316

■ 72.1111, 78.7137,
25.4416

■ 78.1444, 85.1251,
44.8872

■ 69.7506, 75.8444,
18.9464

■ 81.8776, 88.6920,
58.1528

■ 67.7810, 73.1802,
14.3589

■ 86.1239, 92.5144,
73.9663

■ 66.1598, 70.7039,
11.4567

■ 90.9077, 96.6023,
92.4541

■ 64.8302, 68.3922, 95.0499, 100.0000,
9.9421 108.9000

■ 64.5639, 67.9079,
9.7047

Harmonies

Analogous

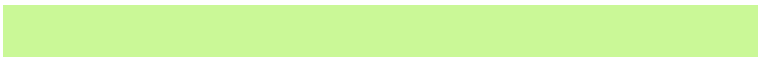
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.5073, 81.7991, 37.1152



74.8965, 81.7991, 34.0316



63.4309, 81.7991, 41.9212

Triad

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



74.8965, 81.7991, 34.0316



58.8105, 81.7991, 140.4549



103.8288, 81.7991, 121.9342

Complementary

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



74.8965, 81.7991, 34.0316



39.2782, 35.3166, 99.3542

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.



94.0711, 81.7991, 162.5767



74.8965, 81.7991, 34.0316



67.8973, 81.7991, 175.2398

Square

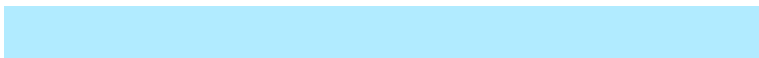
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.8965, 81.7991, 34.0316



54.8574, 81.7991, 97.5909



80.6701, 81.7991, 184.3229



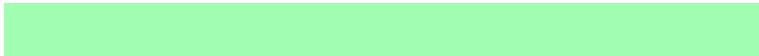
106.2558, 81.7991, 81.0513

Rectangle

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



74.8965, 81.7991, 34.0316



58.1986, 81.7991, 54.1873



80.6701, 81.7991, 184.3229



101.2468, 81.7991, 136.3957

Sweetspot

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



74.8985, 81.8029, 34.0333



87.8971, 94.0531, 80.7465



55.5753, 40.4148, 36.0447



18.5984, 19.9452, 16.4576



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.



74.8985, 81.8029, 34.0333



72.3290, 78.9652, 26.0818



68.4214, 87.8684, 35.5454



19.2796, 20.5274, 19.0904



33.8337, 35.6786, 5.1034



3.3612, 3.6078, 0.5192

Inverse Universe

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



39.2782, 35.3166, 99.3542



33.0538, 27.7463, 98.2212



43.3712, 32.7252, 98.6383



17.2556, 17.8828, 22.7922



9.9729, 4.8553, 49.8461



1.0376, 0.6060, 4.8755

Previews

White Background



This preview shows how the XYZ color 74.8965, 81.7991, 34.0316 looks on a white background.

Color Contrast Check

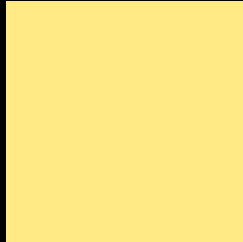
Large Text (above 18pt) WCAG AA × Fail

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 74.8965, 81.7991, 34.0316 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 74.8965, 81.7991, 34.0316

Background



This preview shows how black text looks on a background with the XYZ color 74.8965, 81.7991, 34.0316.

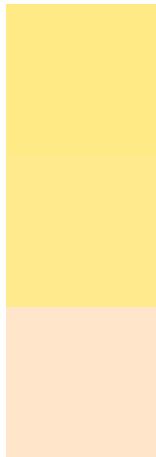


This preview shows how white text looks on a background with the XYZ color 74.8965, 81.7991,

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

74.8965, 81.7991, 34.0316

Protanopia

75.4705, 82.0287, 37.0547

Deuteranopia

79.9200, 81.5629, 67.4081



Tritanopia

83.7224, 81.7671, 91.4908

Trichromacy

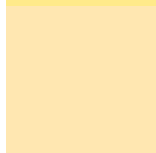


Original Color

74.8965, 81.7991, 34.0316

Protanomaly

75.2503, 81.9406, 35.8948



Deuteranomaly

77.7517, 81.5862, 53.2447



Tritanomaly

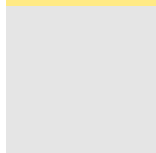
79.5681, 81.4221, 65.5552

Monochromacy



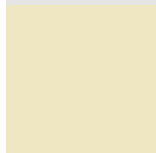
Original Color

74.8965, 81.7991, 34.0316



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

73.5734, 79.2240, 62.4530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.8965, 81.7991, 34.0316 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, 234, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 133)  
}
```

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, 234, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 133) }
```

Border

The CSS property to change the border of an element to XYZ 74.8965, 81.7991, 34.0316 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, 234, 133) }
```


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

```
.border{ border-color:rgb(255, 234, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 234, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 133);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 74.8965, 81.7991, 34.0316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 133) }
```

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

```
.background{ background-color: rgb(255,  
234, 133) }
```

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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