

Converting Colors

XYZ(101.2373, 94.9163,
36.6198)

Have a look what the booklet for
XYZ(101.2373, 94.9163, 36.6198)
contains.

XYZ(74.8943, 81.3440, 35.4205)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(74.8943, 81.3440,
35.4205)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE989
RGB	255, 233, 137
RGB Percent	100%, 91%, 54%
CMY	0.0000, 0.0862, 0.4627
CMYK	0.00, 0.09, 0.46, 0.00
HSL	49°, 100%, 77%
HSV	49°, 46%, 100%
XYZ	74.8943, 81.3440, 35.4205
YIQ	228.6340, 43.9280, -25.1920

Conversions

Conversions Part 2

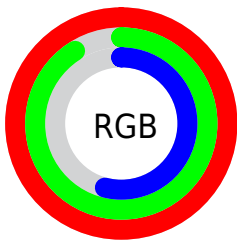
Format	Color
RYB	164, 255, 137
Decimal	16771465
CIELab	92.28, -4.92, 49.15
CIELCh	92, 49.393, 95.720
Yxy	81.3440, 0.3908, 0.4244
Android (android.graphics.Color)	4294961545 (0xFFFFE989)
YUV	228.6340, -45.1756, 23.1230
Hunter-Lab	90.1909, -9.6081, 39.8488

Details

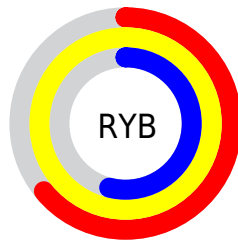
The XYZ color **74.8943, 81.3440, 35.4205** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.7644, 37.3334, 99.6651**, and the grayscale version is **74.5078, 78.3880, 85.3645**.

A 20% lighter version of the original color is **86.5144, 96.5858, 63.9523**, and **40.3250, 44.2324, 15.0067** is the 20% darker color. If you saturate the color by 10%, you get **71.9502, 78.0453, 26.4565**, and if you desaturate by 10%, it is **78.3109, 84.8956, 46.6762**.

Distribution



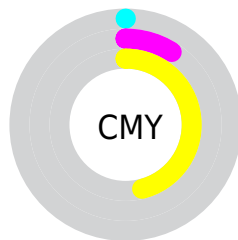
- Red (100%)
- Green (91%)
- Blue (54%)



- Red (64%)
- Yellow (100%)
- Blue (54%)



- Cyan (0%)
- Magenta (9%)
- Yellow (46%)
- Black (0%)





- Cyan (0%)
- Magenta (9%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.8943, 81.3440, 35.4205 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 74.8943, 81.3440, 35.4205 by changing the saturation by 10% instead.


 74.8943, 81.3440,
35.4205


 74.8943, 81.3440,
35.4205


466.5570,
499.4507, 341.3810


 55.8202, 60.8250,
23.7008


 125.1514,
135.2537, 69.2956

 40.2952, 44.0839,
14.9017


 157.0652,
169.4131, 92.2882

 27.9540, 30.7365,
8.6046

 193.9894,
208.8881, 119.8754

 18.4313, 20.3983,
4.3909

236.2897,
254.0631, 152.4759

 11.3616, 12.6849,
1.8421

284.3312,
305.3225, 190.5081

 6.3797, 7.2119,
0.4555

338.4793,

 3.1201, 3.5950,

363.0506, 234.3907

0.0000

399.0995,
427.6319, 284.5422

■ 1.2176, 1.4497,
0.0000

■ 0.1202, 0.2529,
0.0000

■ 74.8943, 81.3440,
35.4205

■ 74.8943, 81.3440,
35.4205

■ 71.9502, 78.0453,
26.4565

■ 78.3109, 84.8956,
46.6762

■ 69.4415, 74.9753,
19.6164

■ 82.2222, 88.7006,
60.3658

■ 67.3347, 72.1232,
14.7172

■ 86.6560, 92.7735,
76.6256

■ 65.5887, 69.4720,
11.5429

■ 91.6364, 97.1243,
95.5805

■ 64.1520, 67.0007, 95.0499, 100.0000,
9.8241 108.9000

■ 63.6671, 66.1143,
9.4057

Harmonies

Analogous

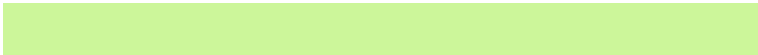
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8536, 81.3440, 38.7020



74.8943, 81.3440, 35.4205



63.8518, 81.3440, 42.8784

Triad

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



74.8943, 81.3440, 35.4205



59.0501, 81.3440, 136.2764



101.9173, 81.3440, 120.7339

Complementary

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



74.8943, 81.3440, 35.4205



40.7644, 37.3334, 99.6651

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.



92.5490, 81.3440, 158.7786



74.8943, 81.3440, 35.4205



67.6549, 81.3440, 169.3442

Square

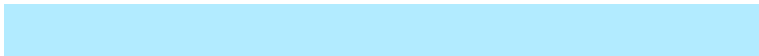
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.8943, 81.3440, 35.4205



55.3731, 81.3440, 95.7626



79.7874, 81.3440, 178.5453



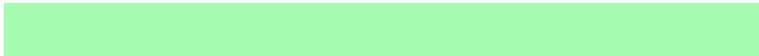
104.4004, 81.3440, 81.7465

Rectangle

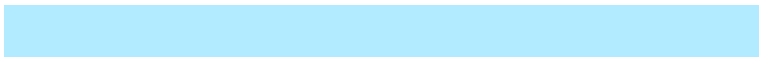
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.8943, 81.3440, 35.4205



58.7549, 81.3440, 54.5830



79.7874, 81.3440, 178.5453



99.4222, 81.3440, 134.3563

Sweetspot

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



74.8963, 81.3478, 35.4222



87.7396, 93.7380, 80.6940



56.5839, 41.7112, 38.6033



18.5596, 19.8678, 16.4447



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

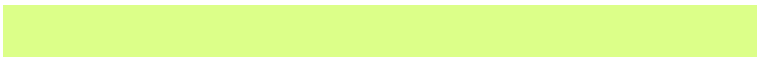
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.8963, 81.3478, 35.4222



72.0249, 78.1326, 26.6727



69.6700, 88.4795, 37.0742



19.2565, 20.4811, 19.0827



33.3708, 34.7529, 4.9491



3.3202, 3.5258, 0.5056

Inverse Universe

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



40.7644, 37.3334, 99.6651



33.9636, 29.0899, 98.4326



44.0976, 33.9283, 98.8322



17.2769, 17.9254, 22.7993



10.0517, 5.0131, 49.8724



1.0484, 0.6274, 4.8791

Previews

White Background



This preview shows how the XYZ color 74.8943, 81.3440, 35.4205 looks on a white background.

Color Contrast Check

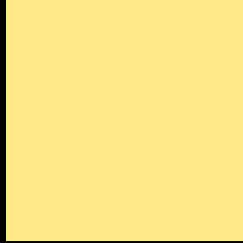
Large Text (above 18pt) WCAG AA × Fail

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 74.8943, 81.3440, 35.4205 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 74.8943, 81.3440, 35.4205

Background



This preview shows how black text looks on a background with the XYZ color 74.8943, 81.3440, 35.4205.



This preview shows how white text looks on a background with the XYZ color 74.8943, 81.3440,

35.4205.

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

74.8943, 81.3440, 35.4205

Protanopia

74.9664, 81.3728, 35.8001

Deuteranopia

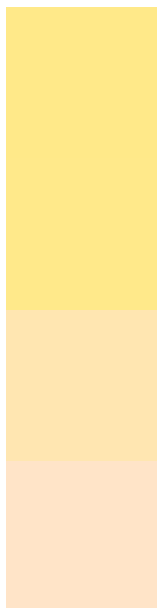
79.6846, 81.4688, 66.1688



Tritanopia

83.3055, 81.1666, 90.6329

Trichromacy



Original Color

74.8943, 81.3440, 35.4205

Protanomaly

74.9664, 81.3728, 35.8001

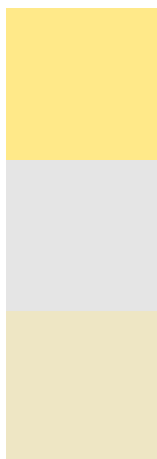
Deuteranomaly

77.4726, 81.0280, 53.1517

Tritanomaly

79.4087, 80.9169, 66.0768

Monochromacy



Original Color

74.8943, 81.3440, 35.4205

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

73.5205, 78.7563, 63.5511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.8943, 81.3440, 35.4205 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, 233, 137)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 137)  
}
```

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, 233, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 137) }
```

Border

The CSS property to change the border of an element to XYZ 74.8943, 81.3440, 35.4205 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, 233, 137) }
```


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

```
.border{ border-color:rgb(255, 233, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 233, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 137);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 74.8943, 81.3440, 35.4205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 137) }
```

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

```
.background{ background-color: rgb(255,  
233, 137) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor