

# Converting Colors

XYZ(75.8006, 79.1931, 47.9415)

Have a look what the booklet for  
XYZ(75.8006, 79.1931, 47.9415)  
contains.

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# Color

**XYZ(75.6841, 78.9882,  
47.8165)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE3A7
RGB	255, 227, 167
RGB Percent	100%, 89%, 65%
CMY	0.0000, 0.1098, 0.3451
CMYK	0.00, 0.11, 0.35, 0.00
HSL	41°, 100%, 83%
HSV	41°, 35%, 100%
XYZ	75.6841, 78.9882, 47.8165
YIQ	228.5320, 35.9480, -12.7240

# Conversions

## Conversions Part 2

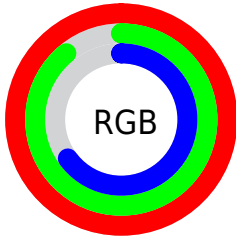
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	208, 255, 167
Decimal	16769959
CIE <sub>Lab</sub>	91.23, 1.24, 32.86
CIE <sub>LCh</sub>	91, 32.880, 87.831
Yxy	78.9882, 0.3738, 0.3901
Android (android.graphics.Color)	4294960039 (0xFFFFE3A7)
YUV	228.5320, -30.3353, 23.2124
Hunter-Lab	88.8753, -3.5254, 30.3136

# Details

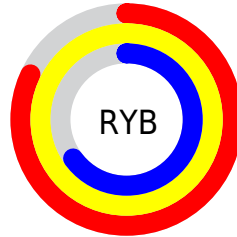
The XYZ color **75.6841, 78.9882, 47.8165** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.5009, 54.4639, 102.3005**, and the grayscale version is **74.3313, 78.2023, 85.1623**.

A 20% lighter version of the original color is **90.3193, 98.1077, 83.9884**, and **40.8157, 42.5903, 21.9891** is the 20% darker color. If you saturate the color by 10%, you get **71.3892, 73.8061, 35.8790**, and if you desaturate by 10%, it is **80.5524, 84.5726, 62.2400**.

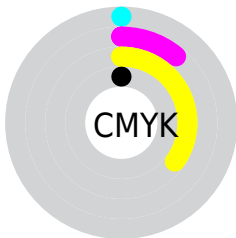
# Distribution



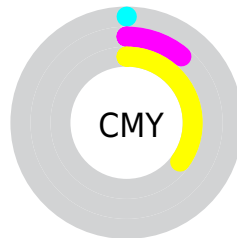
- Red (100%)
- Green (89%)
- Blue (65%)



- Red (82%)
- Yellow (100%)
- Blue (65%)



- Cyan (0%)
- Magenta (11%)
- Yellow (35%)
- Black (0%)




- Cyan (0%)
- Magenta (11%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.6841, 78.9882, 47.8165 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 75.6841, 78.9882, 47.8165 by changing the saturation by 10% instead.




 75.6841, 78.9882,  
47.8165


 75.6841, 78.9882,  
47.8165


469.2267,  
491.5164, 394.5520

 56.4697, 58.8861,  
33.3226


 126.2630,  
131.9422, 88.2938

 40.8181, 42.5214,  
22.1006


 158.3582,  
165.5630, 115.1144

 28.3640, 29.5098,  
13.7318


195.4776,  
204.4587, 146.8809

 18.7421, 19.4668,  
7.7978

237.9867,  
249.0139, 184.0119

 11.5870, 12.0081,  
3.8799

286.2508,  
299.6129, 226.9260

 6.5333, 6.7492,  
1.5597

340.6353,

 3.2157, 3.3057,

356.6400, 276.0417

0.2618

401.5054,  
420.4797, 331.7775

■ 1.2688, 1.2934,  
0.0000

■ 0.1597, 0.1361,  
0.0000

■ 75.6841, 78.9882,  
47.8165

■ 75.6841, 78.9882,  
47.8165

■ 71.3892, 73.8061,  
35.8790

■ 80.5524, 84.5726,  
62.2400

■ 67.6328, 69.0016,  
26.2777

■ 86.0147, 90.5612,  
79.2777

■ 64.3852, 64.5633,  
18.8538

■ 92.0978, 96.9699,  
99.0551

■ 61.6106, 60.4745,  
13.4269

95.0500, 100.0000,  
108.9000

■ 59.2678, 56.7163,  
9.7870

■ 57.3064, 53.2660,  
7.6765

■ 56.3530, 51.4860,  
6.9677

# Harmonies

## Analogous

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



83.9340, 78.9882, 52.7160



75.6841, 78.9882, 47.8165



67.8413, 78.9882, 51.4724

# Triad

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



75.6841, 78.9882, 47.8165



61.7793, 78.9882, 109.2558



89.4719, 78.9882, 112.8231

# Complementary

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



75.6841, 78.9882, 47.8165



53.5009, 54.4639, 102.3005

# 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.



82.8074, 78.9882, 133.3017



75.6841, 78.9882, 47.8165



66.8641, 78.9882, 130.9887

# Square

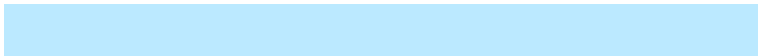
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.6841, 78.9882, 47.8165



60.1760, 78.9882, 84.2793



74.4710, 78.9882, 140.4918



92.2523, 78.9882, 87.7536

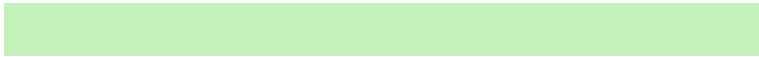


# Rectangle

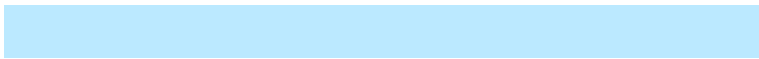
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.6841, 78.9882, 47.8165



63.8156, 78.9882, 58.7307



74.4710, 78.9882, 140.4918



87.5885, 78.9882, 120.6348

# Sweetspot

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



75.6861, 78.9918, 47.8181



88.6793, 93.3982, 87.8491



65.0610, 52.8990, 59.2060



18.8003, 19.7998, 18.2185



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

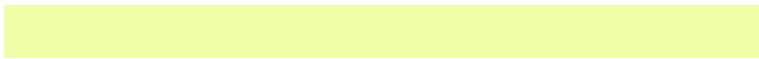
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.6861, 78.9918, 47.8181



72.8339, 75.5817, 39.7945



78.7838, 92.8938, 50.3382



19.0454, 20.0589, 19.0123



29.5861, 27.1835, 3.6876



2.9792, 2.8438, 0.3919



# Inverse Universe

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



53.5009, 54.4639, 102.3005



47.7907, 47.9070, 101.3359



51.0823, 44.7630, 100.5555



17.4746, 18.3208, 22.8652



11.0917, 7.0930, 50.2191



1.1734, 0.8776, 4.9208



# Previews

## White Background



This preview shows how the XYZ color 75.6841, 78.9882, 47.8165 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

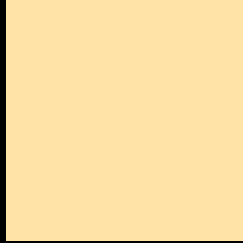
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.6841, 78.9882, 47.8165 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 75.6841, 78.9882, 47.8165**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.6841, 78.9882, 47.8165.



This preview shows how white text looks on a background with the XYZ color 75.6841, 78.9882,

47.8165.

# 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

75.6841, 78.9882, 47.8165

### Protanopia

73.7225, 79.1949, 48.4463

### Deuteranopia

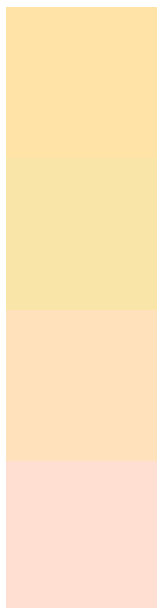
78.3583, 79.1876, 64.5809



## Tritanopia

81.9477, 78.9134, 88.7546

# Trichromacy



## Original Color

75.6841, 78.9882, 47.8165

## Protanomaly

74.5115, 79.1898, 48.4038

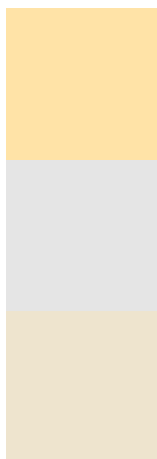
## Deuteranomaly

77.4060, 79.2406, 58.2289

## Tritanomaly

79.2605, 78.6885, 71.9837

# Monochromacy



## Original Color

75.6841, 78.9882, 47.8165

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

74.1439, 78.1202, 69.5634

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.6841, 78.9882, 47.8165 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, 227, 167)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 167)  
}
```

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, 227, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 167) }
```

## Border

The CSS property to change the border of an element to XYZ 75.6841, 78.9882, 47.8165 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, 227, 167) }
```



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

```
.border{ border-color:rgb(255, 227, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 227, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 227, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 227, 167); box-shadow:4px 4px 4px 4px rgb(255, 227, 167) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.6841, 78.9882, 47.8165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 167) }
```

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

```
.background{ background-color: rgb(255,  
227, 167) }
```

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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