

# Converting Colors

XYZ(76.9556, 85.8075, 35.0597)

Have a look what the booklet for  
XYZ(76.9556, 85.8075, 35.0597)  
contains.

<b>XYZ(76.9984, 85.8918, 35.0748)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(76.9984, 85.8918,  
35.0748)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF186
RGB	255, 241, 134
RGB Percent	100%, 95%, 53%
CMY	0.0000, 0.0549, 0.4745
CMYK	0.00, 0.05, 0.47, 0.00
HSL	53°, 100%, 76%
HSV	53°, 47%, 100%
XYZ	76.9984, 85.8918, 35.0748
YIQ	232.9880, 42.6910, -30.3090

# Conversions

## Conversions Part 2

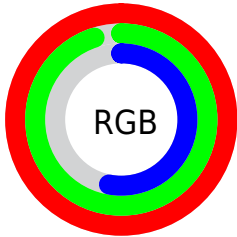
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	150, 255, 134
Decimal	16773510
CIE <sub>Lab</sub>	94.27, -9.18, 53.01
CIE <sub>LCh</sub>	94, 53.801, 99.823
Yxy	85.8918, 0.3889, 0.4339
Android (android.graphics.Color)	4294963590 (0xFFFFFFFF186)
YUV	232.9880, -48.8011, 19.3045
Hunter-Lab	92.6778, -13.8852, 42.4356

# Details

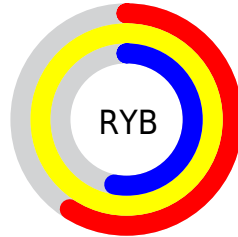
The XYZ color **76.9984, 85.8918, 35.0748** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.4713, 33.4672, 99.0398**, and the grayscale version is **77.7783, 81.8288, 89.1116**.

A 20% lighter version of the original color is **86.1853, 96.4541, 62.2192**, and **41.5991, 47.0278, 14.6693** is the 20% darker color. If you saturate the color by 10%, you get **74.5649, 83.5360, 26.5222**, and if you desaturate by 10%, it is **79.8790, 88.4554, 45.8937**.

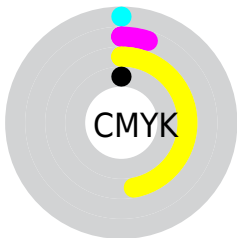
# Distribution



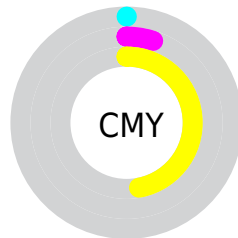
- Red (100%)
- Green (95%)
- Blue (53%)



- Red (59%)
- Yellow (100%)
- Blue (53%)



- Cyan (0%)
- Magenta (5%)
- Yellow (47%)
- Black (0%)




- Cyan (0%)
- Magenta (5%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.9984, 85.8918, 35.0748 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 76.9984, 85.8918, 35.0748 by changing the saturation by 10% instead.




 76.9984, 85.8918,  
35.0748

 76.9984, 85.8918,  
35.0748


473.6506,  
514.5744, 339.8127


 57.5515, 64.5785,  
23.4365


 128.1101,  
141.6185, 68.7545

 41.6900, 47.1194,  
14.7078


 160.5055,  
176.8007, 91.6330

 29.0487, 33.1300,  
8.4702


 197.9479,  
217.3746, 119.0953

 19.2621, 22.2261,  
4.3052

240.8025,  
263.7247, 151.5599

 11.9650, 14.0231,  
1.7942

289.4347,  
316.2353, 189.4454

 6.7919, 8.1367,  
0.4242

344.2099,

 3.3774, 4.1826,

375.2909, 233.1704

0.0000

405.4934,  
441.2758, 283.1533

■ 1.3564, 1.7762,  
0.0000

■ 0.2248, 0.4723,  
0.0000

■ 76.9984, 85.8918,  
35.0748

■ 76.9984, 85.8918,  
35.0748

■ 74.5649, 83.5360,  
26.5222

■ 79.8790, 88.4554,  
45.8937

■ 72.5408, 81.3633,  
20.0656

■ 83.2288, 91.2261,  
59.1224

■ 70.8926, 79.3634,  
15.5193

■ 87.0758, 94.2186,  
74.8985

■ 69.5782, 77.5194,  
12.6623

■ 91.4438, 97.4424,  
93.3478

■ 68.5430, 75.8091, 95.0499, 100.0000,  
11.2068 108.9000

■ 68.3030, 75.3861,  
10.9510

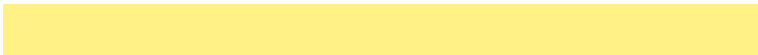
# Harmonies

## Analogous

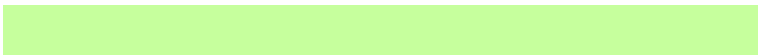
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.5781, 85.8918, 37.0389



76.9984, 85.8918, 35.0748



65.1388, 85.8918, 44.8352

# Triad

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



76.9984, 85.8918, 35.0748



62.1426, 85.8918, 154.1425



110.5228, 85.8918, 123.6675

# Complementary

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



76.9984, 85.8918, 35.0748



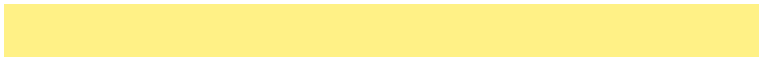
38.4713, 33.4672, 99.0398

# 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.



100.7107, 85.8918, 168.7155



76.9984, 85.8918, 35.0748



72.4437, 85.8918, 189.5968

# Square

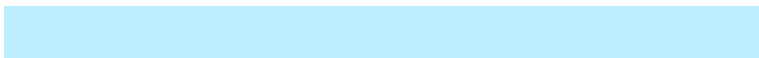
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.9984, 85.8918, 35.0748



57.2540, 85.8918, 107.7323



86.4595, 85.8918, 195.5991



112.1150, 85.8918, 80.6189

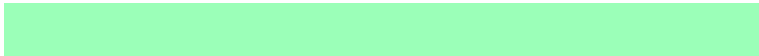


# Rectangle

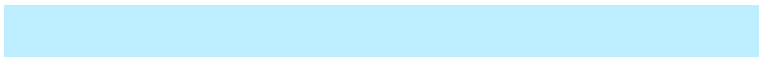
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.9984, 85.8918, 35.0748



59.9398, 85.8918, 59.0187



86.4595, 85.8918, 195.5991



108.0259, 85.8918, 139.3794

# Sweetspot

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



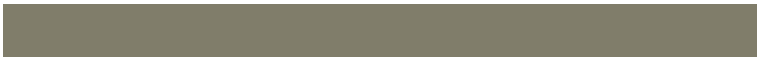
77.0005, 85.8958, 35.0766



88.5227, 95.3043, 80.9550



55.1202, 40.4529, 32.9696



18.7522, 20.2530, 16.5089



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

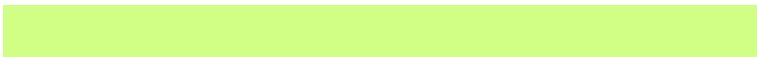
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.0005, 85.8958, 35.0766



74.6654, 83.6381, 26.8606



66.2497, 86.7408, 35.8063



19.3713, 20.7108, 19.1209



35.7613, 39.5339, 5.7460



3.5307, 3.9467, 0.5757



# Inverse Universe

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



38.4713, 33.4672, 99.0398



31.9567, 25.5521, 97.8555



45.4877, 34.0206, 98.7768



17.1721, 17.7159, 22.7644



9.7207, 4.3509, 49.7621

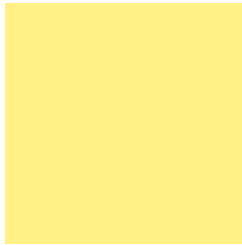


0.9983, 0.5274, 4.8624



# Previews

## White Background



This preview shows how the XYZ color 76.9984, 85.8918, 35.0748 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

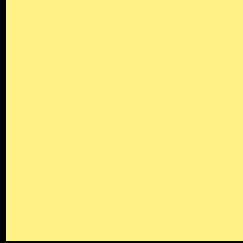
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.9984, 85.8918, 35.0748 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 76.9984, 85.8918, 35.0748**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.9984, 85.8918, 35.0748.



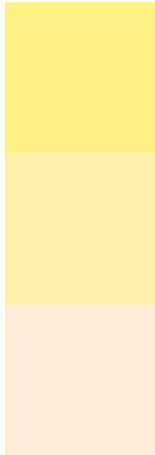
This preview shows how white text looks on a background with the XYZ color 76.9984, 85.8918,

35.0748.

# 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

76.9984, 85.8918, 35.0748

### Protanopia

79.8444, 86.0881, 52.9659

### Deuteranopia

83.2141, 85.5830, 76.4233



## Tritanopia

86.5566, 86.0089, 96.8334

# Trichromacy



## Original Color

76.9984, 85.8918, 35.0748



## Protanomaly

78.7453, 86.1182, 45.7299



## Deuteranomaly

80.3871, 85.3735, 58.6963



## Tritanomaly

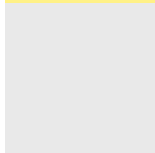
82.0149, 85.5627, 68.6925

# Monochromacy



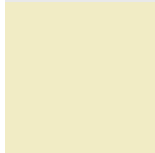
## Original Color

76.9984, 85.8918, 35.0748



## Achromatopsia

77.4512, 81.4847, 88.7368



## Achromatomaly

76.3491, 82.7229, 64.7664

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.9984, 85.8918, 35.0748 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, 241, 134)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 134)  
}
```

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, 241, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 134) }
```

## Border

The CSS property to change the border of an element to XYZ 76.9984, 85.8918, 35.0748 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, 241, 134) }
```



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

```
.border{ border-color:rgb(255, 241, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 241, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 134);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
134) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.9984, 85.8918, 35.0748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 241, 134) }
```

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

```
.background{ background-color: rgb(255,  
241, 134) }
```

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