

# Converting Colors

XYZ(77.1959, 88.6241, 27.9370)

Have a look what the booklet for  
XYZ(77.1959, 88.6241, 27.9370)  
contains.

|  |    |
|--|----|
| <b>XYZ(77.3700, 88.9292, 28.1261)</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(77.3700, 88.9292,  
28.1261)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | FFF76F                      |
| RGB         | 255, 247, 111               |
| RGB Percent | 100%, 97%, 44%              |
| CMY         | 0.0000, 0.0313, 0.5647      |
| CMYK        | 0.00, 0.03, 0.56, 0.00      |
| HSL         | 57°, 100%, 72%              |
| HSV         | 57°, 56%, 100%              |
| XYZ         | 77.3700, 88.9292, 28.1261   |
| YIQ         | 233.8880, 48.4240, -40.6000 |

# Conversions

## Conversions Part 2

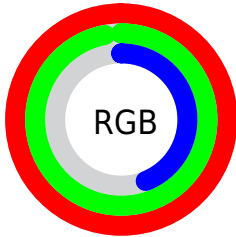
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 119, 255, 111                  |
| Decimal                             | 16775023                       |
| CIE Lab                             | 95.55, -13.97, 64.96           |
| CIE LCh                             | 96, 66.440, 102.136            |
| Yxy                                 | 88.9292, 0.3979,<br>0.4574     |
| Android<br>(android.graphics.Color) | 4294965103<br>(0xFFFFF76F)     |
| YUV                                 | 233.8880, -60.5838,<br>18.5152 |
| Hunter-Lab                          | 94.3023, -18.5792,<br>48.3281  |

# Details

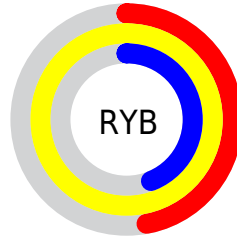
The XYZ color **77.3700, 88.9292, 28.1261** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **31.2024, 23.7926, 97.5552**, and the grayscale version is **78.5424, 82.6327, 89.9870**.

A 20% lighter version of the original color is **83.9751, 95.5700, 50.5801**, and **42.0853, 49.2732, 10.9070** is the 20% darker color. If you saturate the color by 10%, you get **75.7312, 87.5870, 21.6142**, and if you desaturate by 10%, it is **79.4170, 90.4465, 36.7529**.

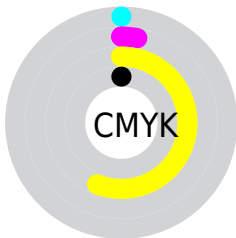
# Distribution



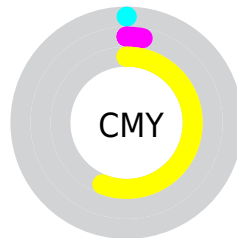
- Red (100%)
- Green (97%)
- Blue (44%)



- Red (47%)
- Yellow (100%)
- Blue (44%)



- Cyan (0%)
- Magenta (3%)
- Yellow (56%)
- Black (0%)




- Cyan (0%)
- Magenta (3%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3700, 88.9292, 28.1261 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 77.3700, 88.9292, 28.1261 by changing the saturation by 10% instead.





 77.3700, 88.9292,  
28.1261


 77.3700, 88.9292,  
28.1261


474.8972,  
524.5414, 306.9999


 57.8576, 67.0929,  
18.1809


 128.6317,  
145.8501, 57.7112

 41.9370, 49.1601,  
10.9091


 161.1117,  
181.7035, 78.1882

 29.2428, 34.7465,  
5.8924


 198.6450,  
222.9980, 103.0128

 19.4098, 23.4677,  
2.7120

241.5968,  
270.1180, 132.6037

 12.0725, 14.9392,  
0.9495

290.3326,  
323.4480, 167.3793

 6.8656, 8.7767,  
0.0000

345.2177,

 3.4238, 4.5958,

383.3723, 207.7581

0.0000

406.6175,  
450.2753, 254.1588

■ 1.3816, 2.0121,  
0.0000

■ 0.2431, 0.6145,  
0.0000

■ 77.3700, 88.9292,  
28.1261

■ 77.3700, 88.9292,  
28.1261

■ 75.7312, 87.5870,  
21.6142

■ 79.4170, 90.4465,  
36.7529

■ 74.4592, 86.3934,  
17.0267


■ 81.8969, 92.1390,  
47.6523


■ 73.5148, 85.3362,  
14.1487

■ 84.8398, 94.0219,  
60.9734

■ 72.8467, 84.3947,  
12.7089

■ 88.2712, 96.1056,  
76.8510

 72.6493, 84.0789,  
12.3998

 92.2150, 98.3995,  
95.4101

95.0498, 99.9999,  
108.9000

# Harmonies

## Analogous

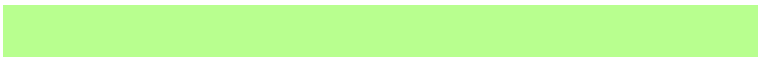
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.7349, 88.9292, 29.2798



77.3700, 88.9292, 28.1261



63.1290, 88.9292, 39.8498

# Triad

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



77.3700, 88.9292, 28.1261



61.1129, 88.9292, 180.9607



122.4525, 88.9292, 130.9884

# Complementary

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



77.3700, 88.9292, 28.1261



31.2024, 23.7926, 97.5552

# 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.



110.2786, 88.9292, 191.9328



77.3700, 88.9292, 28.1261



74.2254, 88.9292, 227.1849

# Square

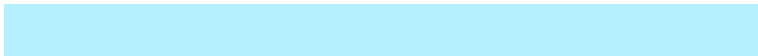
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.3700, 88.9292, 28.1261



54.6881, 88.9292, 119.4951



92.1071, 88.9292, 231.7981



123.6164, 88.9292, 77.2269



# Rectangle

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



77.3700, 88.9292, 28.1261



57.1780, 88.9292, 57.0934



92.1071, 88.9292, 231.7981



119.4392, 88.9292, 151.7086

# Sweetspot

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



77.3721, 88.9333, 28.1279



88.0767, 95.9901, 75.9419



50.3516, 34.0004, 21.8708



18.6970, 20.4532, 15.5328



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

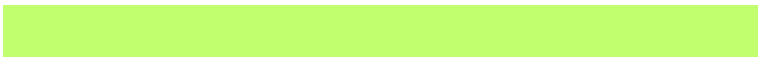
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.3721, 88.9333, 28.1279



75.5138, 87.3951, 20.7920



60.5201, 83.9526, 28.0548



19.4698, 20.9077, 19.1538



37.9984, 44.0080, 6.4917



3.7251, 4.3355, 0.6405



# Inverse Universe

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



31.2024, 23.7926, 97.5552



25.2553, 16.5166, 96.4647



41.0574, 27.5198, 97.7552



17.0839, 17.5394, 22.7350



9.5468, 4.0032, 49.7041

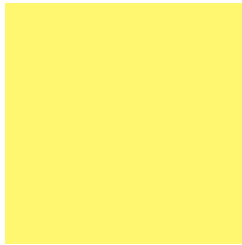


0.9567, 0.4441, 4.8486



# Previews

## White Background



This preview shows how the XYZ color 77.3700, 88.9292, 28.1261 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 77.3700, 88.9292, 28.1261 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

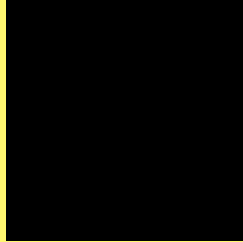
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 77.3700, 88.9292, 28.1261**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.3700, 88.9292, 28.1261.



This preview shows how white text looks on a background with the XYZ color 77.3700, 88.9292,



# 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

77.3700, 88.9292, 28.1261

### Protanopia

82.7297, 88.6593, 63.7916

### Deuteranopia

85.7194, 88.9079, 82.4551



## Tritanopia

88.1587, 88.4822, 99.6211

# Trichromacy



## Original Color

77.3700, 88.9292, 28.1261



## Protanomaly

80.2915, 88.6417, 47.9997



## Deuteranomaly

81.7341, 88.7386, 57.0764



## Tritanomaly

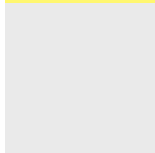
82.7733, 88.2018, 65.4854

# Monochromacy



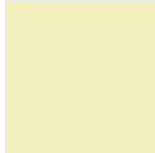
## Original Color

77.3700, 88.9292, 28.1261



## Achromatopsia

78.2058, 82.2786, 89.6014



## Achromatomaly

76.6698, 84.2844, 60.3717

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.3700, 88.9292, 28.1261 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, 247, 111)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 111)  
}
```

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, 247, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 111) }
```

## Border

The CSS property to change the border of an element to XYZ 77.3700, 88.9292, 28.1261 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, 247, 111) }
```



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

```
.border{ border-color:rgb(255, 247, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 111);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
111) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.3700, 88.9292, 28.1261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 111) }
```

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

```
.background{ background-color: rgb(255,  
247, 111) }
```

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