

# Converting Colors

XYZ(73.6784, 87.6932, 13.9720)

Have a look what the booklet for  
XYZ(73.6784, 87.6932, 13.9720)  
contains.

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# **Color**

**XYZ(73.8878, 87.9004,  
13.9919)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | FCF819                      |
| RGB         | 252, 248, 25                |
| RGB Percent | 99%, 97%, 10%               |
| CMY         | 0.0118, 0.0274, 0.9019      |
| CMYK        | 0.00, 0.02, 0.90, 0.01      |
| HSL         | 59°, 97%, 54%               |
| HSV         | 59°, 90%, 99%               |
| XYZ         | 73.8878, 87.9004, 13.9919   |
| YIQ         | 223.7740, 73.9670, -68.5050 |

# Conversions

## Conversions Part 2

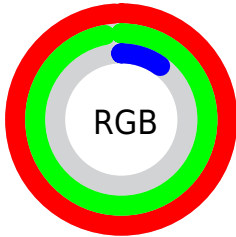
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| <a href="#">RYB</a>                 | 29, 252, 25                    |
| Decimal                             | 16578585                       |
| CIELab                              | 95.12, -19.22, 90.66           |
| CIELCh                              | 95, 92.673, 101.969            |
| Yxy                                 | 87.9004, 0.4203,<br>0.5001     |
| Android<br>(android.graphics.Color) | 4294768665<br>(0xFFFCF819)     |
| YUV                                 | 223.7740, -97.9956,<br>24.7542 |
| Hunter-Lab                          | 93.7552, -23.3971,<br>56.7803  |

# Details

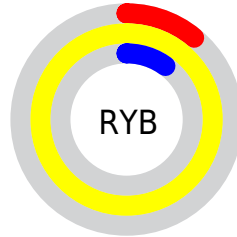
The XYZ color **73.8878, 87.9004, 13.9919** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **18.4116, 8.1145, 92.6908**, and the grayscale version is **71.3345, 75.0495, 81.7289**.

A 20% lighter version of the original color is **79.3490, 93.7196, 26.2195**, and **40.3355, 48.7756, 7.2887** is the 20% darker color. If you saturate the color by 10%, you get **73.5790, 87.5639, 13.0235**, and if you desaturate by 10%, it is **74.4310, 88.3394, 16.1708**.

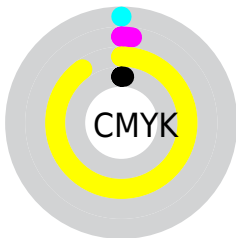
# Distribution



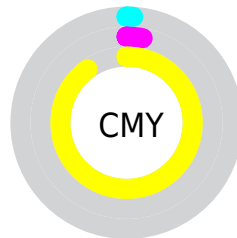
- Red (99%)
- Green (97%)
- Blue (10%)



- Red (11%)
- Yellow (99%)
- Blue (10%)



- Cyan (0%)
- Magenta (2%)
- Yellow (90%)
- Black (1%)




- Cyan (1%)
- Magenta (3%)
- Yellow (90%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.8878, 87.9004, 13.9919 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 73.8878, 87.9004, 13.9919 by changing the saturation by 10% instead.





 73.8878, 87.9004,  
13.9919


 73.8878, 87.9004,  
13.9919


463.1423,  
521.1770, 228.6071


 54.9932, 66.2406,  
7.9763


 123.7331,  
144.4185, 33.7916

 39.6301, 48.4677,  
3.9923


 155.4145,  
180.0455, 48.4128


 27.4332, 34.1974,  
1.6211


 192.0888,  
221.0971, 66.7396

 18.0371, 23.0453,  
0.3058

 234.1215,  
267.9577, 89.1906

 11.0765, 14.6270,  
0.0000

 281.8778,  
321.0115, 116.1843

 6.1860, 8.5580,  
0.0000

335.7231,

 3.0002, 4.4540,

380.6431, 148.1393

0.0000

396.0229,  
447.2368, 185.4740

■ 1.1539, 1.9306,  
0.0000

■ 0.0695, 0.5667,  
0.0000

■ 73.8878, 87.9004,  
13.9919

■ 73.8878, 87.9004,  
13.9919


■ 73.5790, 87.5639,  
13.0235

■ 74.4310, 88.3394,  
16.1708


■ 75.2718, 88.8945,  
19.9233


■ 76.4548, 89.5871,  
25.4769

■ 78.0161, 90.4315,  
33.0208

 79.9871, 91.4403,  
42.7204

 82.3959, 92.6247,  
54.7238

 85.2681, 93.9950,  
69.1661

 88.6274, 95.5607,  
86.1717

 92.4959, 97.3305,  
105.8570

# Harmonies

## Analogous

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



99.4748, 87.9004, 15.0737



73.8878, 87.9004, 13.9919



55.1314, 87.9004, 25.1306

# Triad

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



73.8878, 87.9004, 13.9919



52.4280, 87.9004, 221.8705



138.6655, 87.9004, 145.4576

# Complementary

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



73.8878, 87.9004, 13.9919



18.4116, 8.1145, 92.6908

# 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.



120.3543, 87.9004, 240.5652



73.8878, 87.9004, 13.9919



69.4166, 87.9004, 297.8361

# Square

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



73.8878, 87.9004, 13.9919



44.5183, 87.9004, 127.4971



94.0127, 87.9004, 306.0132



140.5347, 87.9004, 69.6987



# Rectangle

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



73.8878, 87.9004, 13.9919



47.6346, 87.9004, 44.1510



94.0127, 87.9004, 306.0132



134.0809, 87.9004, 176.9417

# Sweetspot

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



73.8898, 87.9045, 13.9937



85.4937, 95.5613, 60.4772



40.7614, 21.4989, 3.4100



18.0964, 20.3563, 11.9281



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.



73.8898, 87.9045, 13.9937



75.5857, 89.9514, 13.3786



46.8534, 75.8086, 13.0839



18.6997, 20.1352, 18.3633



38.3406, 45.6379, 6.7882



3.5591, 4.2431, 0.6314



# Inverse Universe

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



18.4116, 8.1145, 92.6908



18.0987, 7.3174, 95.0662



27.2700, 12.5451, 93.0791



16.3075, 16.6919, 21.7476



9.1888, 3.7332, 48.2098

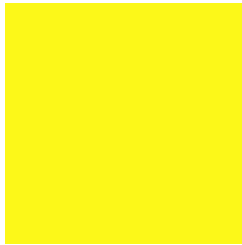


0.8594, 0.3625, 4.4678



# Previews

## White Background



This preview shows how the XYZ color 73.8878, 87.9004, 13.9919 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

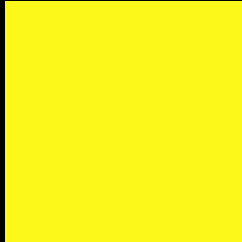
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.8878, 87.9004, 13.9919 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 73.8878, 87.9004, 13.9919**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.8878, 87.9004, 13.9919.



This preview shows how white text looks on a background with the XYZ color 73.8878, 87.9004,



# Color Blindness Simulation

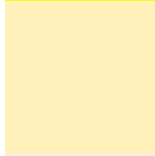
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

73.8878, 87.9004, 13.9919



### Protanopia

81.4523, 87.6734, 58.5286



### Deuteranopia

84.4694, 87.4710, 78.7612



## Tritanopia

87.7169, 87.8435, 98.7185

# Trichromacy



## Original Color

73.8878, 87.9004, 13.9919



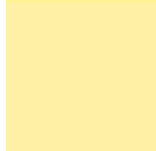
## Protanomaly

77.0545, 87.3045, 32.8689



## Deuteranomaly

77.9705, 86.7132, 40.6448



## Tritanomaly

78.8247, 86.1076, 48.0632

# Monochromacy



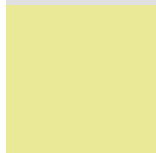
## Original Color

73.8878, 87.9004, 13.9919



## Achromatopsia

70.8507, 74.5404, 81.1745



## Achromatomaly

68.7381, 78.0373, 41.1456

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.8878, 87.9004, 13.9919 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(252, 248, 25)` looks like.

```
.text, #text, p{  
    color:rgb(252, 248, 25)  
}
```

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(252, 248, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 248, 25) }
```

## Border

The CSS property to change the border of an element to XYZ 73.8878, 87.9004, 13.9919 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(252, 248, 25) }
```



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

```
.border{ border-color:rgb(252, 248, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 248, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 248, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 248, 25);  
box-shadow:4px 4px 4px 4px rgb(252, 248,  
25) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.8878, 87.9004, 13.9919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 248, 25) }
```

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

```
.background{ background-color: rgb(252,  
248, 25) }
```

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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