

# Converting Colors

XYZ(82.4626, 87.9295, 67.8000)

Have a look what the booklet for  
XYZ(82.4626, 87.9295, 67.8000)  
contains.

|  |    |
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# Color

**XYZ(82.5059, 88.0103,  
67.8975)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | FDF1C9                     |
| RGB         | 253, 241, 201              |
| RGB Percent | 99%, 95%, 79%              |
| CMY         | 0.0078, 0.0549, 0.2118     |
| CMYK        | 0.00, 0.05, 0.21, 0.01     |
| HSL         | 46°, 93%, 89%              |
| HSV         | 46°, 21%, 99%              |
| XYZ         | 82.5059, 88.0103, 67.8975  |
| YIQ         | 240.0280, 19.9920, -9.8960 |

# Conversions

## Conversions Part 2

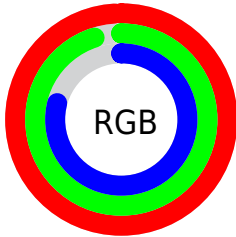
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 217, 253, 201                  |
| Decimal                             | 16642505                       |
| CIE Lab                             | 95.17, -2.20, 20.80            |
| CIE LCh                             | 95, 20.912, 96.030             |
| Yxy                                 | 88.0103, 0.3461,<br>0.3691     |
| Android<br>(android.graphics.Color) | 4294832585<br>(0xFFFFDF1C9)    |
| YUV                                 | 240.0280, -19.2408,<br>11.3764 |
| Hunter-Lab                          | 93.8138, -7.1898,<br>22.7587   |

# Details

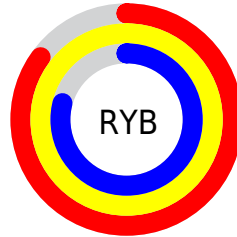
The XYZ color **82.5059, 88.0103, 67.8975** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.6109, 67.0962, 102.4217**, and the grayscale version is **82.9833, 87.3048, 95.0750**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.3804, 48.5403, 34.5812** is the 20% darker color. If you saturate the color by 10%, you get **78.0724, 83.5199, 52.9259**, and if you desaturate by 10%, it is **87.4897, 92.8153, 85.4729**.

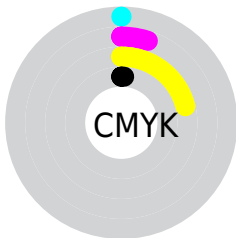
# Distribution



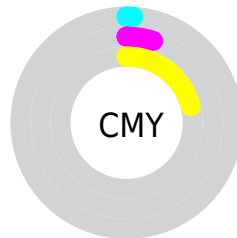
- Red (99%)
- Green (95%)
- Blue (79%)



- Red (85%)
- Yellow (99%)
- Blue (79%)



- Cyan (0%)
- Magenta (5%)
- Yellow (21%)
- Black (1%)



- Cyan (1%)
- Magenta (5%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.5059, 88.0103, 67.8975 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 82.5059, 88.0103, 67.8975 by changing the saturation by 10% instead.




 82.5059, 88.0103,  
67.8975

 82.5059, 88.0103,  
67.8975


491.9472,  
521.5370, 471.7210

 62.0982, 66.3316,  
49.3482


135.8153,  
144.5715, 117.8583

 45.3679, 48.5416,  
34.5282


169.4478,  
180.2228, 150.1069

 31.9498, 34.2560,  
23.0190

208.2191,  
221.3004, 187.7590

 21.4785, 23.0903,  
14.4021

252.4947,  
268.1887, 231.2331

 13.5887, 14.6602,  
8.2590

302.6400,  
321.2721, 280.9479

 7.9149, 8.5813,  
4.1709

359.0203,

 4.0919, 4.4691,

380.9350, 337.3217

1.7196

422.0009,  
447.5619, 400.7732

■ 1.7543, 1.9393,  
0.3741

■ 0.4899, 0.5718,  
0.0000

■ 82.5059, 88.0103,  
67.8975

■ 82.5059, 88.0103,  
67.8975

■ 78.0724, 83.5199,  
52.9259

■ 87.4897, 92.8153,  
85.4729

■ 74.1577, 79.3218,  
40.4262

■ 93.0396, 97.9332,  
105.7645

■ 70.7376, 75.4084,  
30.2632

■ 94.3182, 99.6227,  
108.8658

■ 67.7830, 71.7673,  
22.2863

■ 65.2616, 68.3847,  
16.3275

■ 63.1361, 65.2448,  
12.1940

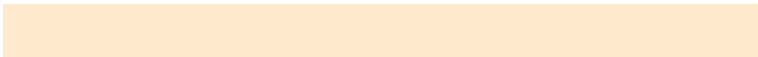
■ 61.3624, 62.3291,  
9.6554

■ 59.9433, 59.7530,  
8.3741

# Harmonies

## Analogous

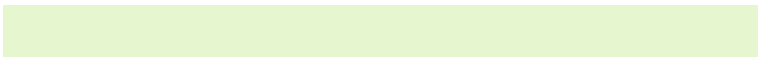
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.1800, 88.0103, 69.9294



82.5059, 88.0103, 67.8975



77.3729, 88.0103, 72.6343

# Triad

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



82.5059, 88.0103, 67.8975



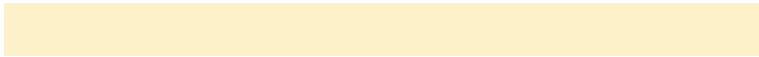
75.1029, 88.0103, 115.4876



94.0632, 88.0103, 109.1443

# Complementary

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



82.5059, 88.0103, 67.8975



65.6109, 67.0962, 102.4217

# Split Complementary

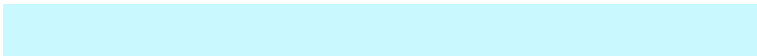
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.2601, 88.0103, 123.4986



82.5059, 88.0103, 67.8975



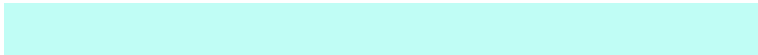
79.2801, 88.0103, 127.4420

# Square

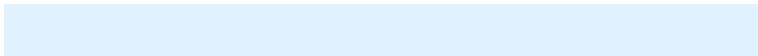
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.5059, 88.0103, 67.8975



73.2254, 88.0103, 99.1612



84.8069, 88.0103, 130.5280

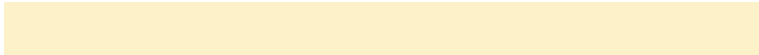


95.0223, 88.0103, 92.5709

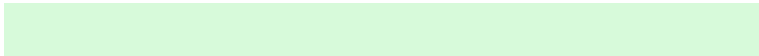


# Rectangle

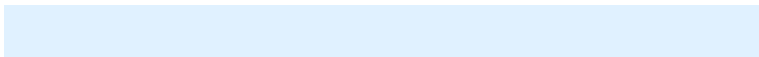
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.5059, 88.0103, 67.8975



74.8929, 88.0103, 79.3487



84.8069, 88.0103, 130.5280



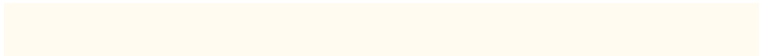
93.0669, 88.0103, 114.4447

# Sweetspot

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



82.5082, 88.0142, 67.8994



91.5681, 96.8224, 96.0670



73.4227, 67.4679, 72.1935



19.5210, 20.6515, 20.2765



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

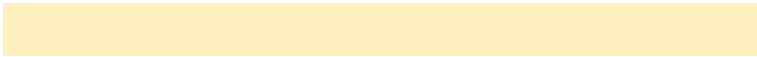


# Same Dimension

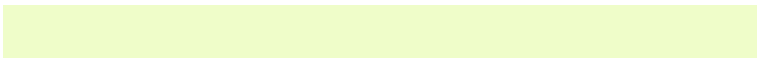
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.5082, 88.0142, 67.8994



81.9186, 87.5267, 62.0114



81.3102, 92.8421, 68.8944



19.1851, 20.3384, 19.0589



32.0036, 32.0185, 4.4934



3.1983, 3.2820, 0.4649



# Inverse Universe

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



65.6109, 67.0962, 102.4217



61.6592, 62.4496, 103.4119



66.6025, 63.2932, 101.6354



17.3429, 18.0575, 22.8213



10.3365, 5.5825, 49.9673

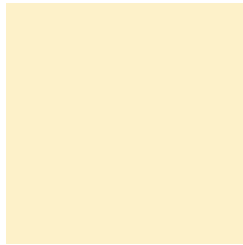


1.0850, 0.7007, 4.8913



# Previews

## White Background



This preview shows how the XYZ color 82.5059, 88.0103, 67.8975 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

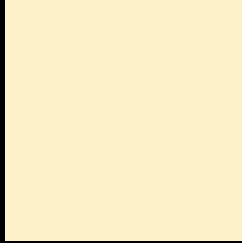
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.5059, 88.0103, 67.8975 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

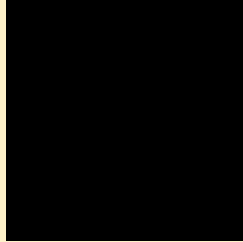
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 82.5059, 88.0103, 67.8975**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.5059, 88.0103, 67.8975.



This preview shows how white text looks on a background with the XYZ color 82.5059, 88.0103,

67.8975.

# 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

82.5059, 88.0103, 67.8975

### Protanopia

82.8710, 88.1985, 67.9146

### Deuteranopia

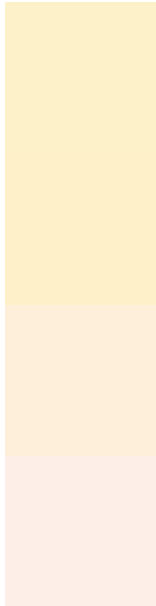
85.8181, 88.0105, 85.8634



## Tritanopia

88.3343, 88.0905, 101.9700

# Trichromacy



## Original Color

82.5059, 88.0103, 67.8975

## Protanomaly

82.8710, 88.1985, 67.9146

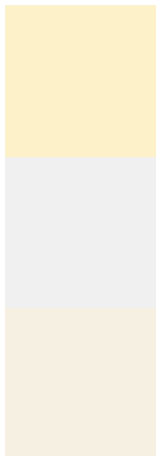
## Deuteranomaly

84.3944, 87.8658, 78.8414

## Tritanomaly

86.0131, 88.0461, 88.8052

# Monochromacy



## Original Color

82.5059, 88.0103, 67.8975

## Achromatopsia

82.8234, 87.1367, 94.8919

## Achromatomaly

82.5437, 87.2236, 84.4368

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.5059, 88.0103, 67.8975 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(253, 241, 201)` looks like.

```
.text, #text, p{  
    color:rgb(253, 241, 201)  
}
```

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(253, 241, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 241, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 82.5059, 88.0103, 67.8975 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(253, 241, 201) }
```



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

```
.border{ border-color:rgb(253, 241, 201) }
```

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

Here you see how a box with a 4 pixel rgb(253, 241, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 241, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 241, 201);  
box-shadow:4px 4px 4px 4px rgb(253, 241,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.5059, 88.0103, 67.8975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 241, 201) }
```

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

```
.background{ background-color: rgb(253,  
241, 201) }
```

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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