

Converting Colors

XYZ(83.2782, 88.4909, 67.8752)

Have a look what the booklet for
XYZ(83.2782, 88.4909, 67.8752)
contains.

XYZ(83.2379, 88.3876, 67.9318)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(83.2379, 88.3876,
67.9318)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF1C9
RGB	255, 241, 201
RGB Percent	100%, 95%, 79%
CMY	0.0000, 0.0549, 0.2118
CMYK	0.00, 0.05, 0.21, 0.00
HSL	44°, 100%, 89%
HSV	44°, 21%, 100%
XYZ	83.2379, 88.3876, 67.9318
YIQ	240.6260, 21.1840, -9.4720

Conversions

Conversions Part 2

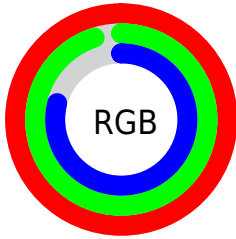
Format	Color
R _Y B	220, 255, 201
Decimal	16773577
CIE Lab	95.32, -1.47, 21.04
CIE LCh	95, 21.092, 94.008
Yxy	88.3876, 0.3475, 0.3690
Android (android.graphics.Color)	4294963657 (0xFFFFF1C9)
YUV	240.6260, -19.5356, 12.6060
Hunter-Lab	94.0147, -6.4869, 22.9693

Details

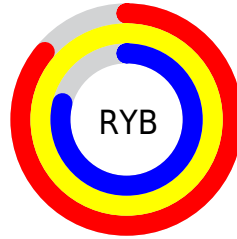
The XYZ color **83.2379, 88.3876, 67.9318** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.4373, 68.2365, 104.2771**, and the grayscale version is **83.4539, 87.8000, 95.6142**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.9041, 48.8103, 34.6057** is the 20% darker color. If you saturate the color by 10%, you get **78.5635, 83.4474, 52.7827**, and if you desaturate by 10%, it is **88.4855, 93.6767, 85.7310**.

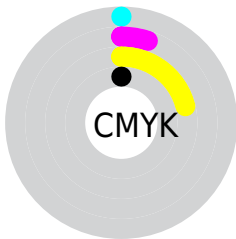
Distribution



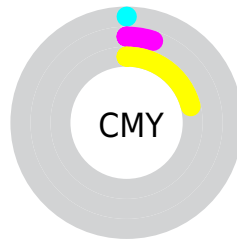
- Red (100%)
- Green (95%)
- Blue (79%)



- Red (86%)
- Yellow (100%)
- Blue (79%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.2379, 88.3876, 67.9318 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 83.2379, 88.3876, 67.9318 by changing the saturation by 10% instead.


 83.2379, 88.3876,
67.9318

 83.2379, 88.3876,
67.9318


494.3510,
522.7717, 471.8458

 62.7040, 66.6441,
49.3759

136.8354,
145.0967, 117.9079

 45.8595, 48.7955,
34.5501


170.6297,
180.8310, 150.1651

 32.3392, 34.4573,
23.0357


209.5749,
221.9978, 187.8266

 21.7775, 23.2451,
14.4143

254.0363,
268.9814, 231.3108

 13.8092, 14.7746,
8.2674

304.3792,
322.1662, 281.0363

 8.0689, 8.6613,
4.1763

360.9691,

 4.1912, 4.5210,

381.9366, 337.4216

1.7225

424.1712,
448.6769, 400.8853

■ 1.8109, 1.9690,
0.3761

■ 0.5242, 0.5894,
0.0000

■ 83.2379, 88.3876,
67.9318

■ 83.2379, 88.3876,
67.9318

■ 78.5635, 83.4474,
52.7827

■ 88.4855, 93.6767,
85.7310

■ 74.4307, 78.8331,
40.1484

■ 94.3237, 99.3137,
106.2953

■ 70.8142, 74.5365,
29.8904

■ 95.0500, 100.0000,
108.9000

■ 67.6840, 70.5444,
21.8540

■ 65.0065, 66.8420,
15.8666

■ 62.7432, 63.4128,
11.7295

■ 60.8483, 60.2370,
9.2045

■ 59.4195, 57.6190,
7.9898

Harmonies

Analogous

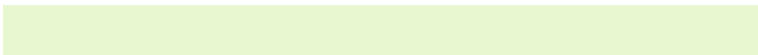
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.9590, 88.3876, 70.4448



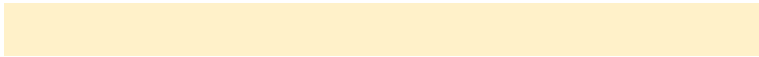
83.2379, 88.3876, 67.9318



77.9647, 88.3876, 72.2612

Triad

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



83.2379, 88.3876, 67.9318



75.1568, 88.3876, 115.0974



94.3662, 88.3876, 110.8242

Complementary

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



83.2379, 88.3876, 67.9318



66.4373, 68.2365, 104.2771

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.



90.3595, 88.3876, 125.0088



83.2379, 88.3876, 67.9318



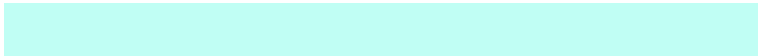
79.2476, 88.3876, 127.6672

Square

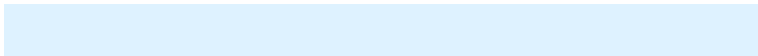
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.2379, 88.3876, 67.9318



73.4360, 88.3876, 98.4735



84.7864, 88.3876, 131.4855



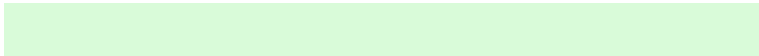
95.5527, 88.3876, 94.0387

Rectangle

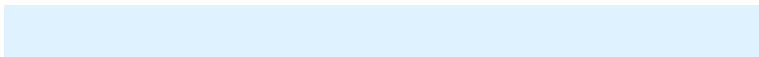
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.2379, 88.3876, 67.9318



75.3613, 88.3876, 78.7716



84.7864, 88.3876, 131.4855



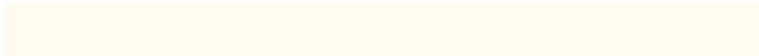
93.2958, 88.3876, 116.1148

Sweetspot

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



83.2400, 88.3914, 67.9337



91.4317, 96.5497, 96.0216



74.4445, 67.9612, 73.7550



19.4887, 20.5869, 20.2657



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

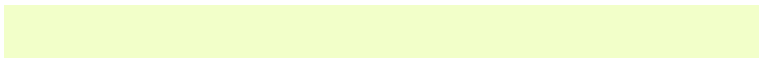
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2400, 88.3914, 67.9337



81.3857, 86.4610, 61.8337



83.0584, 94.6853, 69.1581



19.1394, 20.2470, 19.0436



31.1753, 30.3618, 4.2173



3.1238, 3.1330, 0.4401

Inverse Universe

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



66.4373, 68.2365, 104.2771



62.0989, 63.3290, 103.5585



66.5525, 63.2305, 103.3048



17.3857, 18.1429, 22.8356



10.5535, 6.0166, 50.0397



1.1114, 0.7535, 4.9001

Previews

White Background



This preview shows how the XYZ color 83.2379, 88.3876, 67.9318 looks on a white background.

Color Contrast Check

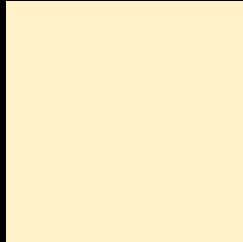
Large Text (above 18pt) WCAG AA × Fail

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 83.2379, 88.3876, 67.9318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

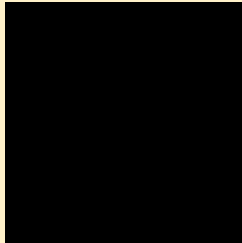
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.2379, 88.3876, 67.9318

Background



This preview shows how black text looks on a background with the XYZ color 83.2379, 88.3876, 67.9318.



This preview shows how white text looks on a background with the XYZ color 83.2379, 88.3876,

67.9318.

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

83.2379, 88.3876, 67.9318

Protanopia

83.2379, 88.3876, 67.9318

Deuteranopia

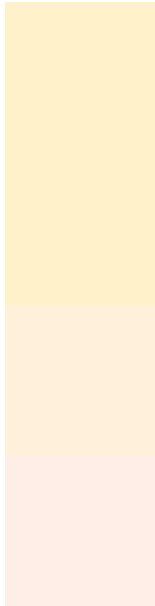
86.2494, 88.6501, 86.6941



Tritanopia

88.6231, 88.6679, 102.0662

Trichromacy



Original Color

83.2379, 88.3876, 67.9318

Protanomaly

83.2379, 88.3876, 67.9318

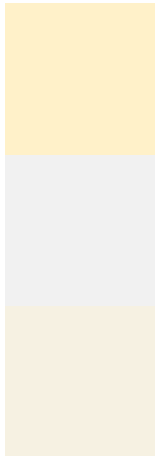
Deuteranomaly

85.1863, 88.6946, 79.6478

Tritanomaly

86.3800, 88.2353, 88.8223

Monochromacy



Original Color

83.2379, 88.3876, 67.9318

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

83.1888, 87.9944, 84.5516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.2379, 88.3876, 67.9318 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, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 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(255, 241, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 201) }
```

Border

The CSS property to change the border of an element to XYZ 83.2379, 88.3876, 67.9318 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, 201) }
```


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

```
.border{ border-color:rgb(255, 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(255, 241, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 83.2379, 88.3876, 67.9318 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, 201) }
```

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

```
.background{ background-color: rgb(255,  
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](#).

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