

# Converting Colors

XYZ(83.7312, 88.1969, 88.3487)

Have a look what the booklet for  
XYZ(83.7312, 88.1969, 88.3487)  
contains.

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# Color

**XYZ(83.5353, 88.0926,  
88.2021)**

# Conversions

Conversions Part 1	
Format	Color
Hex	F5F1E7
RGB	245, 241, 231
RGB Percent	96%, 95%, 91%
CMY	0.0392, 0.0549, 0.0941
CMYK	0.00, 0.02, 0.06, 0.04
HSL	43°, 41%, 93%
HSV	43°, 6%, 96%
XYZ	83.5353, 88.0926, 88.2021
YIQ	241.0560, 5.5940, -2.2620

# Conversions

## Conversions Part 2

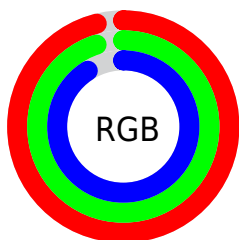
Format	Color
<a href="#">RYB</a>	<a href="#">237, 245, 231</a>
Decimal	<a href="#">16118247</a>
CIELab	<a href="#">95.20, -0.37, 5.29</a>
CIELCh	<a href="#">95, 5.298, 94.011</a>
Yxy	<a href="#">88.0926, 0.3215, 0.3390</a>
Android (android.graphics.Color)	<a href="#">4294308327</a> (0xFFFF5F1E7)
YUV	<a href="#">241.0560, -4.9576, 3.4589</a>
Hunter-Lab	<a href="#">93.8577, -5.3821, 9.9830</a>

# Details

The XYZ color 83.5353, 88.0926, 88.2021 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 79.1447, 82.9969, 98.2359, and the grayscale version is 83.6900, 88.0484, 95.8847.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 46.0731, 48.6119, 47.5122 is the 20% darker color. If you saturate the color by 10%, you get 78.2850, 82.7468, 70.5582, and if you desaturate by 10%, it is 89.2735, 93.7664, 108.0012.

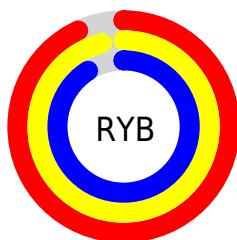
# Distribution



Red (96%)

Green (95%)

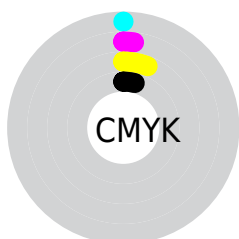
Blue (91%)



Red (93%)

Yellow (96%)

Blue (91%)

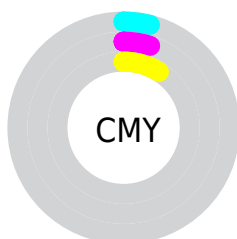


Cyan (0%)

Magenta (2%)

Yellow (6%)

Black (4%)



Cyan (4%)

Magenta (5%)

Yellow (9%)


# Brightness & Saturation


## Gradients

These gradients show how the XYZ color 83.5353, 88.0926, 88.2021 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 83.5353, 88.0926, 88.2021 by changing the saturation by 10% instead.




 83.5353, 88.0926,  
88.2021

 83.5353, 88.0926,  
88.2021


495.3258,  
521.8064, 542.5833

 62.9503, 66.3998,  
65.9252


137.2496,  
144.6861, 146.7521

 46.0595, 48.5970,  
47.7556


171.1095,  
180.3555, 183.8623

 32.4976, 34.2999,  
33.2747


210.1251,  
221.4526, 226.7539

 21.8992, 23.1241,  
22.0642

254.6618,  
268.3617, 275.8456

 13.8991, 14.6852,  
13.7053

305.0848,  
321.4672, 331.5558

 8.1317, 8.5987,  
7.7796


361.7596,


 4.2319, 4.4804,


381.1536, 394.3031


3.8685


425.0515,  
447.8052, 464.5061


 1.8341, 1.9457,  
1.5535


 0.5381, 0.5757,  
0.2573

 83.5353, 88.0926,  
88.2021


 83.5353, 88.0926,  
88.2021


 78.2850, 82.7468,  
70.5582


 89.2735, 93.7664,  
108.0012


 73.5753, 77.7401,  
55.3843


 91.4636, 98.1466,  
108.7313


 69.3862, 73.0660,  
42.5693


 91.4666, 98.1527,  
108.7323


 65.6939, 68.7133,  
31.9913

 62.4723, 64.6703,  
23.5176

 59.6925, 60.9239,  
17.0011

 57.3220, 57.4595,  
12.2757

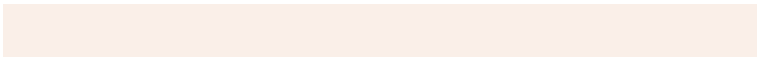
 55.3233, 54.2605,  
9.1476

 53.6497, 51.3068,  
7.3772

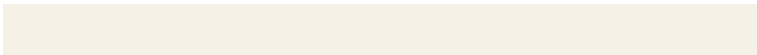
# Harmonies

## Analogous

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



84.9520, 88.0926, 88.9461



83.5353, 88.0926, 88.2021



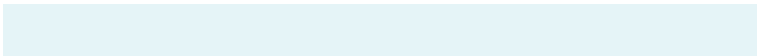
82.1859, 88.0926, 89.4761

# Triad

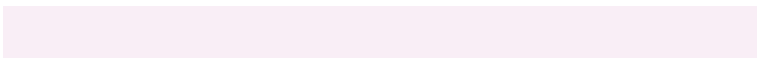
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.5353, 88.0926, 88.2021



81.4488, 88.0926, 100.4349



86.2501, 88.0926, 99.4447

# Complementary

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



83.5353, 88.0926, 88.2021



79.1447, 82.9969, 98.2359

# Split Complementary

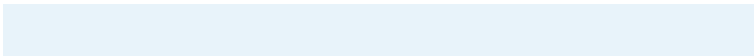
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.2921, 88.0926, 102.6616



83.5353, 88.0926, 88.2021



82.5186, 88.0926, 103.2447

# Square

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



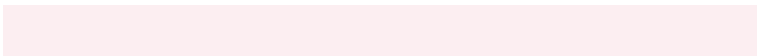
83.5353, 88.0926, 88.2021



80.9900, 88.0926, 96.4752



83.9237, 88.0926, 104.0710

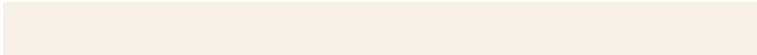


86.5298, 88.0926, 95.3627



# Rectangle

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



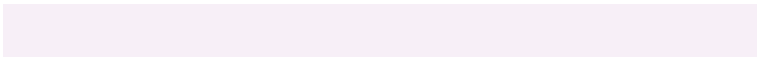
83.5353, 88.0926, 88.2021



81.5028, 88.0926, 91.3206



83.9237, 88.0926, 104.0710



85.9961, 88.0926, 100.6669

# Sweetspot

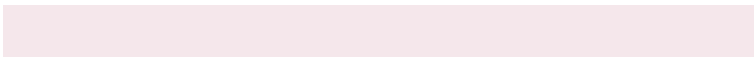
The Sweet Spot groups the original color and five complimentary colors.



83.5377, 88.0964, 88.2040



93.7771, 98.7507, 104.4785



81.2576, 82.5753, 90.4060



20.0855, 21.1499, 22.4090



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

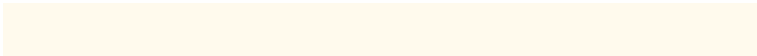


# Same Dimension

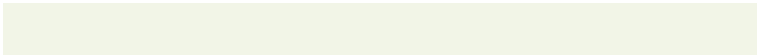
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5377, 88.0964, 88.2040



90.7043, 95.6958, 93.9262



83.7640, 89.9881, 88.5572



17.7105, 18.6885, 18.1811



28.6769, 27.2395, 3.7463



2.6078, 2.5688, 0.3584



# Inverse Universe

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



79.1447, 82.9969, 98.2359



84.8501, 88.9001, 107.2951



78.9246, 81.2043, 97.9015



16.4742, 17.2533, 21.0045



10.1578, 6.1093, 47.1819

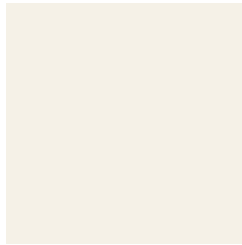


0.9768, 0.7050, 4.1748



# Previews

## White Background



This preview shows how the XYZ color 83.5353, 88.0926, 88.2021 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

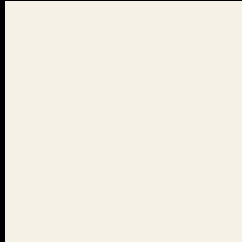
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.5353, 88.0926, 88.2021 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

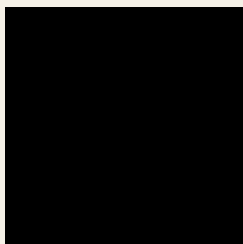
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

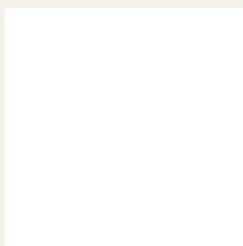
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 83.5353, 88.0926, 88.2021**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.5353, 88.0926, 88.2021.



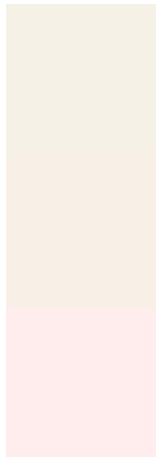
This preview shows how white text looks on a background with the XYZ color 83.5353, 88.0926,



# 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

83.5353, 88.0926, 88.2021

### Protanopia

84.2953, 88.0462, 88.1531

### Deuteranopia

86.8102, 87.9428, 92.5200



## Tritanopia

87.3359, 88.3255, 107.0532

# Trichromacy

	<b>Original Color</b> 83.5353, 88.0926, 88.2021
	<b>Protanomaly</b> 83.9417, 87.8639, 88.1365
	<b>Deuteranomaly</b> 85.3536, 87.6565, 91.0180
	<b>Tritanomaly</b> 85.8588, 88.1610, 99.6803

# Monochromacy

	<b>Original Color</b> 83.5353, 88.0926, 88.2021
	<b>Achromatopsia</b> 83.6081, 87.9622, 95.7909
	<b>Achromatomaly</b> 83.3593, 87.9023, 92.6941

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.5353, 88.0926, 88.2021 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(245, 241, 231) looks like.

```
.text, #text, p{  
    color:rgb(245, 241, 231)  
}
```

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(245, 241, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 241, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 83.5353, 88.0926, 88.2021 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(245, 241, 231) }
```



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

```
.border{ border-color:rgb(245, 241, 231) }
```

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

Here you see how a box with a 4 pixel rgb(245, 241, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 241, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 241, 231);  
box-shadow:4px 4px 4px 4px rgb(245, 241,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.5353, 88.0926, 88.2021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 241, 231) }
```

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

```
.background{ background-color: rgb(245,  
241, 231) }
```

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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