

Converting Colors

XYZ(83.9293, 88.8787, 85.8721)

Have a look what the booklet for
XYZ(83.9293, 88.8787, 85.8721)
contains.

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Color

**XYZ(83.7618, 88.6985,
86.1046)**

Conversions

Conversions Part 1

Format	Color
Hex	F6F2E4
RGB	246, 242, 228
RGB Percent	96%, 95%, 89%
CMY	0.0353, 0.0510, 0.1059
CMYK	0.00, 0.02, 0.07, 0.04
HSL	47°, 50%, 93%
HSV	47°, 7%, 96%
XYZ	83.7618, 88.6985, 86.1046
YIQ	241.6000, 6.8780, -3.5060

Conversions

Conversions Part 2

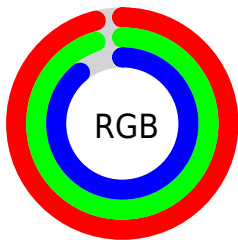
Format	Color
RYB	233, 246, 228
Decimal	16184036
CIELab	95.45, -1.03, 7.21
CIELCh	95, 7.287, 98.161
Yxy	88.6985, 0.3239, 0.3430
Android (android.graphics.Color)	4294374116 (0xFFFF6F2E4)
YUV	241.6000, -6.7048, 3.8588
Hunter-Lab	94.1799, -6.0603, 11.7196

Details

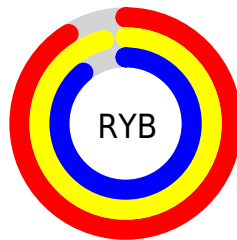
The XYZ color **83.7618, 88.6985, 86.1046** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.4861, 80.8599, 98.7135**, and the grayscale version is **84.1316, 88.5130, 96.3906**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.3369, 49.0821, 46.5667** is the 20% darker color. If you saturate the color by 10%, you get **78.9866, 84.2293, 68.8460**, and if you desaturate by 10%, it is **89.0764, 93.4669, 105.9425**.

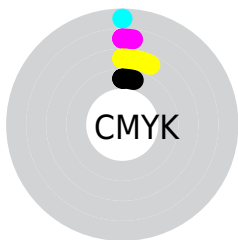
Distribution



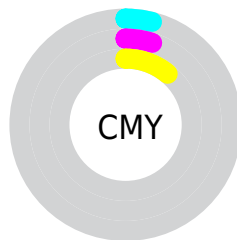
- Red (96%)
- Green (95%)
- Blue (89%)



- Red (91%)
- Yellow (96%)
- Blue (89%)



- Cyan (0%)
- Magenta (2%)
- Yellow (7%)
- Black (4%)



- Cyan (4%)
- Magenta (5%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.7618, 88.6985, 86.1046 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 83.7618, 88.6985, 86.1046 by changing the saturation by 10% instead.

83.7618, 88.6985,
86.1046

83.7618, 88.6985,
86.1046

496.0675,
523.7880, 535.5157

63.1378, 66.9017,
64.1991

137.5649,
145.5292, 143.8033

46.2118, 49.0047,
46.3647

171.4748,
181.3319, 180.4335

32.6183, 34.6232,
32.1830

210.5440,
222.5721, 222.8091

21.9920, 23.3728,
21.2353

255.1379,
269.6340, 271.3485

13.9676, 14.8690,
13.1032

305.6218,
322.9022, 326.4704

8.1797, 8.7275,
7.3681

362.3612,

4.2629, 4.5639,

382.7610, 388.5931

3.6114

425.7213,
449.5948, 458.1354

■ 1.8519, 1.9937,
1.4147

■ 0.5487, 0.6038,
0.1531

■ 83.7618, 88.6985,
86.1046

■ 83.7618, 88.6985,
86.1046

■ 78.9866, 84.2293,
68.8460

■ 89.0764, 93.4669,
105.9425

■ 74.7227, 80.0388,
54.0534

■ 91.1589, 97.0178,
108.5295

■ 70.9502, 76.1211,
41.6132

■ 91.8165, 98.3331,
108.7487

■ 67.6450, 72.4660,
31.4011

■ 64.7810, 69.0623,
23.2809

■ 62.3291, 65.8976,
17.1017

■ 60.2562, 62.9581,
12.6922

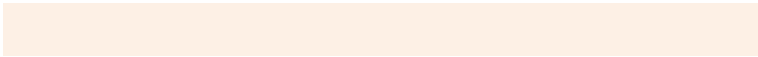
■ 58.5237, 60.2276,
9.8508

■ 57.0815, 57.6851,
8.3154

Harmonies

Analogous

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



85.7405, 88.6985, 86.7335



83.7618, 88.6985, 86.1046



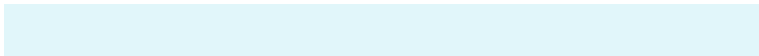
81.9569, 88.6985, 88.1935

Triad

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



83.7618, 88.6985, 86.1046



81.3246, 88.6985, 103.5268



87.9168, 88.6985, 100.7228

Complementary

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



83.7618, 88.6985, 86.1046



77.4861, 80.8599, 98.7135

Split Complementary

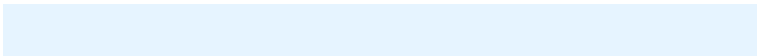
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.6980, 88.6985, 105.4769



83.7618, 88.6985, 86.1046



82.8861, 88.6985, 107.1397

Square

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



83.7618, 88.6985, 86.1046



80.5644, 88.6985, 98.1458



84.8511, 88.6985, 107.8671



88.1602, 88.6985, 95.0262

Rectangle

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



83.7618, 88.6985, 86.1046



81.0878, 88.6985, 90.8966



84.8511, 88.6985, 107.8671



87.6067, 88.6985, 102.4905

Sweetspot

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



83.7642, 88.7024, 86.1065



93.8795, 98.9557, 104.5127



80.3446, 80.9185, 87.8785



20.1064, 21.1916, 22.4160



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

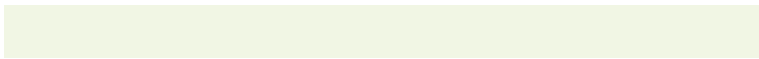
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7642, 88.7024, 86.1065



89.9689, 95.4016, 90.0536



83.3045, 90.2502, 86.4295



17.5844, 18.6529, 17.4711



30.3853, 30.6562, 4.3158



2.7456, 2.8444, 0.4043

Inverse Universe

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



77.4861, 80.8599, 98.7135



81.6710, 85.0362, 106.7169



77.9182, 79.4320, 98.4151



15.8794, 16.5232, 20.8949



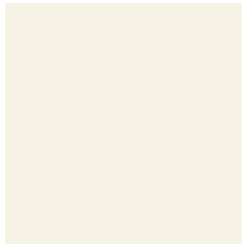
9.6830, 5.1598, 47.0236



0.9245, 0.6005, 4.1574

Previews

White Background



This preview shows how the XYZ color 83.7618, 88.6985, 86.1046 looks on a white background.

Color Contrast Check

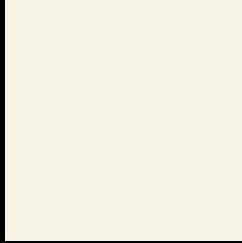
Large Text (above 18pt) WCAG AA × Fail

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 83.7618, 88.6985, 86.1046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

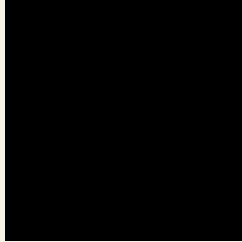
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

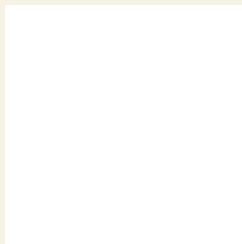
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.7618, 88.6985, 86.1046

Background



This preview shows how black text looks on a background with the XYZ color 83.7618, 88.6985, 86.1046.



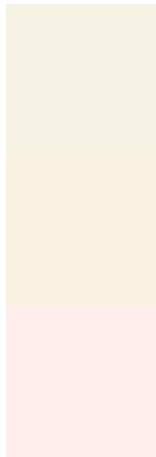
This preview shows how white text looks on a background with the XYZ color 83.7618, 88.6985,

86.1946.

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

83.7618, 88.6985, 86.1046

Protanopia

84.7448, 88.7806, 85.3429

Deuteranopia

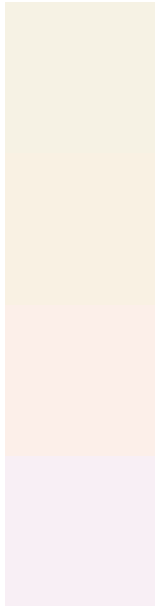
86.9549, 88.4652, 91.8494



Tritanopia

87.6915, 88.5088, 107.0698

Trichromacy



Original Color

83.7618, 88.6985, 86.1046

Protanomaly

84.3873, 88.5964, 85.3262

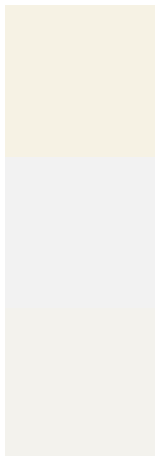
Deuteranomaly

85.7194, 88.3116, 89.6188

Tritanomaly

86.0593, 88.2820, 98.8905

Monochromacy



Original Color

83.7618, 88.6985, 86.1046

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

84.0003, 88.6734, 92.8091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.7618, 88.6985, 86.1046 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(246, 242, 228) looks like.

```
.text, #text, p{  
    color:rgb(246, 242, 228)  
}
```

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(246, 242, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 242, 228) }
```

Border

The CSS property to change the border of an element to XYZ 83.7618, 88.6985, 86.1046 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(246, 242, 228) }
```


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

```
.border{ border-color:rgb(246, 242, 228) }
```

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

Here you see how a box with a 4 pixel rgb(246, 242, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 242, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 242, 228);  
box-shadow:4px 4px 4px 4px rgb(246, 242,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 83.7618, 88.6985, 86.1046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 242, 228) }
```

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

```
.background{ background-color: rgb(246,  
242, 228) }
```

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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