Converting Colors

XYZ(83.8352, 88.2063, 89.6982)

Have a look what the booklet for XYZ(83.8352, 88.2063, 89.6982) contains.

Color

XYZ(83.8195, 88.2063, 89.6985)

Conversions

Format	Color
Hex	F5F1E9
RGB	245, 241, 233
RGB Percent	96%, 95%, 91%
CMY	0.0392, 0.0549, 0.0863
CMYK	0.00, 0.02, 0.05, 0.04
HSL	40°, 38%, 94%
HSV	40°, 5%, 96%
XYZ	83.8195, 88.2063, 89.6985
YIQ	241.2840, 4.9520, -1.6400

Conversions Part 1

Conversions

Conversions Part 2

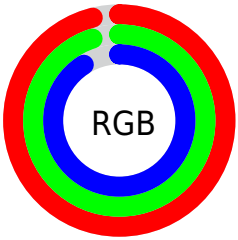
Format	Color
RYB	239, 245, 233
Decimal	16118249
CIELab	95.25, -0.03, 4.32
CIELCh	95, 4.319, 90.454
Yxy	88.2063, 0.3203, 0.3370
Android (android.graphics.Color)	4294308329 (0xFFF5F1E9)
YUV	241.2840, -4.0840, 3.2589
Hunter-Lab	93.9182, -5.0504, 9.1166

Details

The XYZ color 83.8195, 88.2063, 89.6985 is a light color, and the websafe version is hex FFFFFF. A complement of this color would be 80.3698, 84.4833, 98.4583, and the grayscale version is 83.8634, 88.2308, 96.0833.

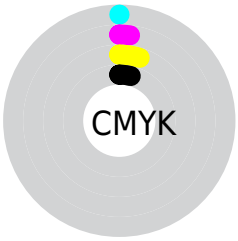
A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 46.2710, 48.6911, 48.5545 is the 20% darker color. If you saturate the color by 10%, you get 78.1996, 82.1835, 71.7400, and if you desaturate by 10%, it is 89.6330, 94.4853, 108.1211.

Distribution

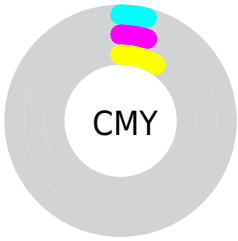


- Red (96%)
- Green (95%)
- Blue (91%)

- Red (94%)
- Yellow (96%)
- Blue (91%)



- Cyan (0%)
- Magenta (2%)
- Yellow (5%)
- Black (4%)



- Cyan (4%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.8195, 88.2063, 89.6985 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 83.8195, 88.2063, 89.6985 by changing the saturation by 10% instead.

83.8195, 88.2063, 89.6985

83.8195, 88.2063, 89.6985

496.2564, 522.1786, 547.5944

63.1856, 66.4939, 67.1583

137.6452, 144.8443, 148.8514

46.2506, 48.6735, 48.7509

171.5678, 180.5388, 186.3012

32.6491, 34.3605, 34.0577

210.6506, 221.6627, 229.5579

22.0157, 23.1707, 22.6602

255.2591, 268.6006, 279.0400

13.9851, 14.7196, 14.1399

305.7585, 321.7367, 335.1662

8.1919, 8.6228, 8.0782

362.5143,

4.2708, 4.4960,

381.4554, 398.3550

425.8918, 448.1413, 469.0249

4.0565

1.8565, 1.9547, 1.6564

0.5513, 0.5810, 0.3306

83.8195, 88.2063, 89.6985

78.1996, 82.1835, 71.7400

73.1502, 76.5568, 56.2697

68.6509, 71.3186, 43.1770

64.6774, 66.4570, 32.3407

83.8195, 88.2063, 89.6985

89.6330, 94.4853, 108.1211

91.4667, 98.1527, 108.7323

61.2032, 61.9589, 23.6288

58.1992, 57.8102, 16.8953

55.6327, 53.9954, 11.9759

53.4659, 50.4969, 8.6792

51.6526, 47.2935, 6.7703

Harmonies

Analogous

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

84.9596, 88.2063, 90.5069

83.8195, 88.2063, 89.6985

82.6944, 88.2063, 90.5563

Triad

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

83.8195, 88.2063, 89.6985

81.8996, 88.2063, 99.3679

85.8239, 88.2063, 99.2769

Complementary

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

83.8195, 88.2063, 89.6985

80.3698, 84.4833, 98.4583

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.

84.9910, 88.2063, 101.7442

83.8195, 88.2063, 89.6985

82.7252, 88.2063, 101.7976

Square

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

83.8195, 88.2063, 89.6985

81.5923, 88.2063, 96.0931

83.8554, 88.2063, 102.6770

86.1234, 88.2063, 95.9903

Rectangle

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

83.8195, 88.2063, 89.6985

82.1026, 88.2063, 91.9695

83.8554, 88.2063, 102.6770

85.5966, 88.2063, 100.2323

Sweetspot

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

83.8220, 88.2101, 89.7004

94.3718, 99.2963, 106.6620

82.0824, 83.8060, 91.9720

20.2066, 21.2609, 22.8536

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.

83.8220, 88.2101, 89.7004

91.0799, 95.8460, 95.9043

84.3237, 90.2439, 90.0665

17.7726, 18.7022, 18.5427

27.5150, 24.9155, 3.3590

2.5125, 2.3782, 0.3266

Inverse Universe

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

80.3698, 84.4833, 98.4583

86.4736, 90.8733, 107.5904

79.8825, 82.5339, 98.1077

16.7799, 17.6305, 21.0612

10.6005, 6.9948, 47.3294

1.0223, 0.7960, 4.1900

Previews

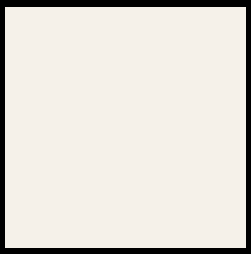
White Background

This preview shows how the XYZ color 83.8195, 88.2063, 89.6985 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



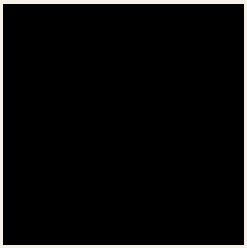
This preview shows how the XYZ color 83.8195, 88.2063, 89.6985 looks on a black background.

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 83.8195, 88.2063, 89.6985 Background



This preview shows how black text looks on a background with the XYZ color 83.8195, 88.2063, 89.6985.

This preview shows how white text looks on a background with the XYZ color 83.8195, 88.2063,

89.6985.

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
83.8195, 88.2063, 89.6985

Protanopia
84.5795, 88.1598, 89.6495

Deuteranopia
86.9568, 88.0014, 93.2918

Tritanopia
87.3359, 88.3255, 107.0532

Trichromacy

Original Color
83.8195, 88.2063, 89.6985

Protanomaly
84.2258, 87.9775, 89.6330

Deuteranomaly
85.4985, 87.7144, 91.7812

Tritanomaly
86.0128, 88.2226, 100.4910

Monochromacy

Original Color
83.8195, 88.2063, 89.6985

Achromatopsia
83.6081, 87.9622, 95.7909

Achromatomaly
83.5059, 87.9609, 93.4658

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.8195, 88.2063, 89.6985 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, 233) looks like.

```
.text, #text, p{
    color:rgb(245, 241, 233)
}
```

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, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 241, 233) }
```

Border

The CSS property to change the border of an element to XYZ 83.8195, 88.2063, 89.6985 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, 233) }
```

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

```
.border{ border-color:rgb(245, 241, 233) }
```

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, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(245, 241, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(245, 241, 233); box-shadow:4px 4px 4px 4px rgb(245, 241, 233) }
```

Background

The CSS property to change the background color of an element to XYZ 83.8195, 88.2063, 89.6985 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, 233) }
```

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

```
.background{ background-color:rgb(245,
241, 233) }
```

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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