

Converting Colors

XYZ(83.2548, 88.8787, 86.2838)

Have a look what the booklet for
XYZ(83.2548, 88.8787, 86.2838)
contains.

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Color

**XYZ(83.3624, 88.9357,
86.1714)**

Conversions

Conversions Part 1

Format	Color
Hex	F4F3E4
RGB	244, 243, 228
RGB Percent	96%, 95%, 89%
CMY	0.0431, 0.0470, 0.1059
CMYK	0.00, 0.00, 0.07, 0.04
HSL	56°, 42%, 93%
HSV	56°, 7%, 96%
XYZ	83.3624, 88.9357, 86.1714
YIQ	241.5890, 5.4110, -4.4530

Conversions

Conversions Part 2

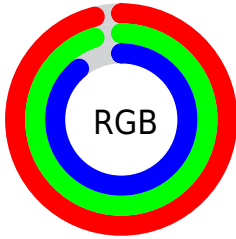
Format	Color
R_{YB}	229, 244, 228
Decimal	16053220
CIE _{Lab}	95.55, -2.23, 7.34
CIE _{LCh}	96, 7.667, 106.874
Yxy	88.9357, 0.3225, 0.3441
Android (android.graphics.Color)	4294243300 (0xFFFF4F3E4)
YUV	241.5890, -6.6994, 2.1144
Hunter-Lab	94.3057, -7.2483, 11.8381

Details

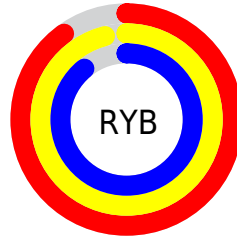
The XYZ color **83.3624, 88.9357, 86.1714** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.3433, 79.0630, 96.8259**, and the grayscale version is **84.1237, 88.5046, 96.3815**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0522, 49.2491, 46.6140** is the 20% darker color. If you saturate the color by 10%, you get **79.7599, 86.7737, 69.4218**, and if you desaturate by 10%, it is **87.4517, 91.3042, 105.4440**.

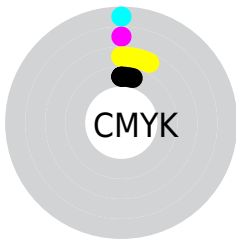
Distribution



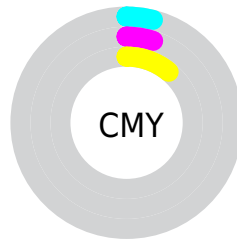
- Red (96%)
- Green (95%)
- Blue (89%)



- Red (90%)
- Yellow (96%)
- Blue (89%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.3624, 88.9357, 86.1714 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 83.3624, 88.9357, 86.1714 by changing the saturation by 10% instead.

83.3624, 88.9357,
86.1714

83.3624, 88.9357,
86.1714

494.7592,
524.5626, 535.7416

62.8071, 67.0983,
64.2540

137.0088,
145.8591, 143.8973

45.9432, 49.1645,
46.4089

170.8306,
181.7139, 180.5429

32.4055, 34.7500,
32.2177

209.8053,
223.0100, 222.9350

21.8284, 23.4703,
21.2616

254.2982,
270.1317, 271.4921

13.8468, 14.9412,
13.1223

304.6747,
323.4634, 326.6328

8.0952, 8.7781,
7.3811

361.3001,

4.2082, 4.5967,

383.3895, 388.7755

3.6195

424.5398,
450.2945, 458.3390

■ 1.8206, 2.0127,
1.4190

■ 0.5300, 0.6148,
0.1565

■ 83.3624, 88.9357,
86.1714

■ 83.3624, 88.9357,
86.1714

■ 79.7599, 86.7737,
69.4218

■ 87.4517, 91.3042,
105.4440

■ 76.6170, 84.7986,
55.0844

■ 88.3272, 92.3903,
107.7855

■ 73.9147, 83.0058,
43.0490

■ 88.7909, 93.3178,
107.9401

■ 71.6300, 81.3860,
33.1943

■ 89.2584, 94.2528,
108.0959

69.7378, 79.9291,
25.3883

89.7297, 95.1954,
108.2530

68.2103, 78.6240,
19.4842

90.2048, 96.1456,
108.4114

67.0159, 77.4582,
15.3160

90.6837, 97.1034,
108.5710

66.1177, 76.4166,
12.6894

91.1187, 97.9733,
108.7160

65.4693, 75.4810,
11.3599

Harmonies

Analogous

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



85.4523, 88.9357, 85.9901



83.3624, 88.9357, 86.1714



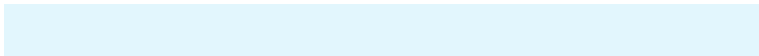
81.6137, 88.9357, 89.1332

Triad

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



83.3624, 88.9357, 86.1714



81.7966, 88.9357, 105.5362



88.5301, 88.9357, 99.4895

Complementary

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



83.3624, 88.9357, 86.1714



76.3433, 79.0630, 96.8259

Split Complementary

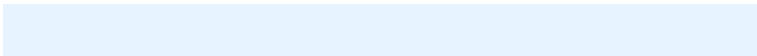
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.5164, 88.9357, 104.9699



83.3624, 88.9357, 86.1714



83.6158, 88.9357, 108.5572

Square

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



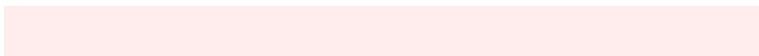
83.3624, 88.9357, 86.1714



80.7200, 88.9357, 100.2364



85.7099, 88.9357, 108.3458



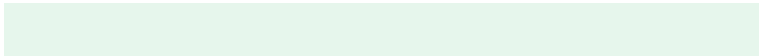
88.4595, 88.9357, 93.5131

Rectangle

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



83.3624, 88.9357, 86.1714



80.8663, 88.9357, 92.3585



85.7099, 88.9357, 108.3458



88.3041, 88.9357, 101.4556

Sweetspot

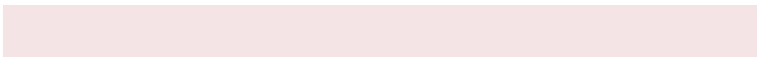
The Sweet Spot groups the original color and five complimentary colors.



83.3649, 88.9396, 86.1733



94.1385, 99.4736, 104.5990



79.2050, 80.3821, 85.5196



20.1591, 21.2970, 22.4335



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.



83.3649, 88.9396, 86.1733



91.5341, 97.9480, 92.3761



81.3027, 88.3199, 86.1624



17.8212, 19.1266, 17.5501



35.5324, 40.9504, 6.0315



3.1492, 3.6516, 0.5389

Inverse Universe

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



76.3433, 79.0630, 96.8259



82.1368, 84.7297, 106.6331



78.3127, 79.6706, 96.8394



15.6639, 16.0921, 20.8231



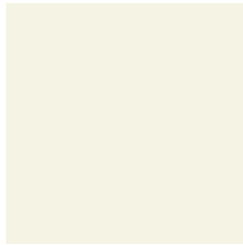
9.0053, 3.8044, 46.7977



0.8200, 0.3914, 4.1226

Previews

White Background



This preview shows how the XYZ color 83.3624, 88.9357, 86.1714 looks on a white background.

Color Contrast Check

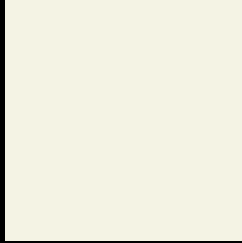
Large Text (above 18pt) WCAG AA × Fail

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 83.3624, 88.9357, 86.1714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

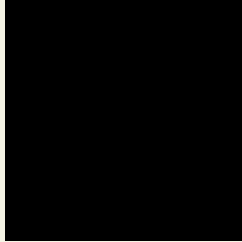
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

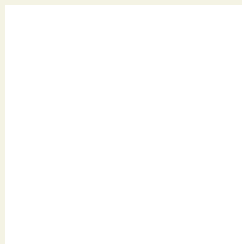
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.3624, 88.9357, 86.1714

Background



This preview shows how black text looks on a background with the XYZ color 83.3624, 88.9357, 86.1714.

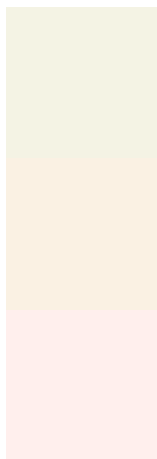


This preview shows how white text looks on a background with the XYZ color 83.3624, 88.9357,

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

83.3624, 88.9357, 86.1714

Protanopia

84.7448, 88.7806, 85.3429

Deuteranopia

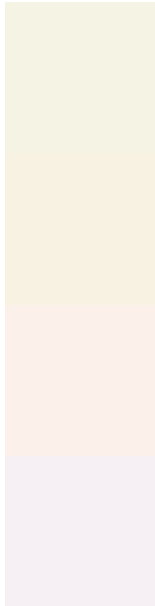
87.3926, 89.1074, 92.7141



Tritanopia

87.2743, 88.7272, 107.1339

Trichromacy



Original Color

83.3624, 88.9357, 86.1714

Protanomaly

84.3287, 89.0068, 85.4085

Deuteranomaly

85.7950, 88.7699, 90.4543

Tritanomaly

85.6476, 88.5056, 98.9554

Monochromacy



Original Color

83.3624, 88.9357, 86.1714

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 83.3624, 88.9357, 86.1714 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(244, 243, 228) looks like.

```
.text, #text, p{  
    color:rgb(244, 243, 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(244, 243, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 243, 228) }
```

Border

The CSS property to change the border of an element to XYZ 83.3624, 88.9357, 86.1714 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(244, 243, 228) }
```


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

```
.border{ border-color:rgb(244, 243, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 243, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 243, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 243, 228);  
box-shadow:4px 4px 4px 4px rgb(244, 243,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 83.3624, 88.9357, 86.1714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 243, 228) }
```

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

```
.background{ background-color: rgb(244,  
243, 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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