

Converting Colors

XYZ(83.7217, 89.5627, 86.5668)

Have a look what the booklet for
XYZ(83.7217, 89.5627, 86.5668)
contains.

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Color

**XYZ(83.6625, 89.5359,
86.2715)**

Conversions

Conversions Part 1

Format	Color
Hex	F4F4E4
RGB	244, 244, 228
RGB Percent	96%, 96%, 89%
CMY	0.0431, 0.0431, 0.1059
CMYK	0.00, 0.00, 0.07, 0.04
HSL	60°, 42%, 93%
HSV	60°, 7%, 96%
XYZ	83.6625, 89.5359, 86.2715
YIQ	242.1760, 5.1360, -4.9760

Conversions

Conversions Part 2

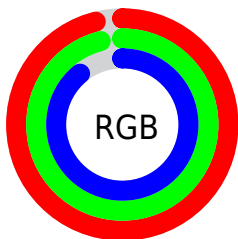
Format	Color
R_{YB}	228, 244, 228
Decimal	16053476
CIE Lab	95.80, -2.73, 7.70
CIE LCh	96, 8.167, 109.536
Yxy	89.5359, 0.3224, 0.3451
Android (android.graphics.Color)	4294243556 (0xFFFF4F4E4)
YUV	242.1760, -6.9888, 1.5996
Hunter-Lab	94.6234, -7.7679, 12.1796

Details

The XYZ color **83.6625, 89.5359, 86.2715** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.0709, 78.5149, 96.7382**, and the grayscale version is **84.5903, 88.9956, 96.9162**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2651, 49.6749, 46.6850** is the 20% darker color. If you saturate the color by 10%, you get **80.5099, 88.2775, 69.6723**, and if you desaturate by 10%, it is **87.2982, 90.9934, 105.3926**.

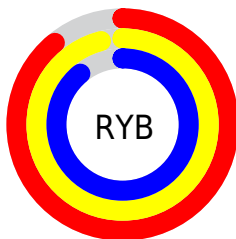
Distribution



Red (96%)

Green (96%)

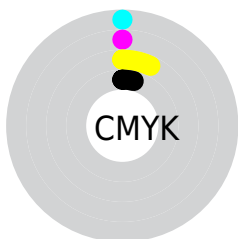
Blue (89%)



Red (89%)

Yellow (96%)

Blue (89%)

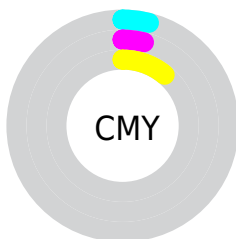


Cyan (0%)

Magenta (0%)

Yellow (7%)

Black (4%)



Cyan (4%)


Magenta (4%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.6625, 89.5359, 86.2715 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 83.6625, 89.5359, 86.2715 by changing the saturation by 10% instead.


 83.6625, 89.5359,
86.2715

 83.6625, 89.5359,
86.2715


495.7424,
526.5200, 536.0799

 63.0556, 67.5958,
64.3363


137.4267,
146.6936, 144.0382

 46.1450, 49.5690,
46.4752

171.3147,
182.6799, 180.7068

 32.5654, 35.0710,
32.2696

210.3604,
224.1171, 223.1236

 21.9513, 23.7176,
21.3010

254.9292,
271.3896, 271.7072

 13.9375, 15.1243,
13.1508

305.3864,
324.8817, 326.8761

 8.1587, 8.9066,
7.4005

362.0975,

 4.2493, 4.6803,

384.9779, 389.0488

3.6316

425.4277,
452.0625, 458.6439

■ 1.8441, 2.0610,
1.4255

■ 0.5440, 0.6425,
0.1615

■ 83.6625, 89.5359,
86.2715

■ 83.6625, 89.5359,
86.2715

■ 80.5099, 88.2775,
69.6723

■ 87.2982, 90.9934,
105.3926

■ 77.8131, 87.1985,
55.4841


■ 87.7161, 91.1608,
107.5804


■ 75.5532, 86.2942,
43.5968


■ 87.7186, 91.1621,
107.5805


■ 73.7073, 85.5556,
33.8890


■ 87.7211, 91.1634,
107.5806

 72.2501, 84.9724,
26.2287


 87.7236, 91.1647,
107.5808


 71.1539, 84.5336,
20.4691


 87.7261, 91.1660,
107.5809


 70.3871, 84.2266,
16.4444

 87.7286, 91.1673,
107.5810

 69.9128, 84.0366,
13.9599

 87.7311, 91.1686,
107.5811

 69.6847, 83.9451,
12.7714

 87.7336, 91.1698,
107.5812

Harmonies

Analogous

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



85.8894, 89.5359, 85.8047



83.6625, 89.5359, 86.2715



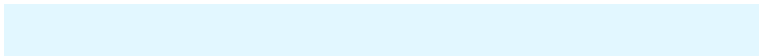
81.8516, 89.5359, 89.6669

Triad

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



83.6625, 89.5359, 86.2715



82.3241, 89.5359, 107.2241



89.4272, 89.5359, 99.7571

Complementary

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



83.6625, 89.5359, 86.2715



76.0709, 78.5149, 96.7382

Split Complementary

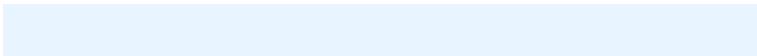
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.4356, 89.5359, 105.7540



83.6625, 89.5359, 86.2715



84.3178, 89.5359, 110.1894

Square

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



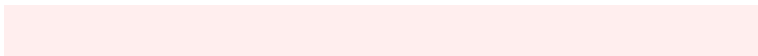
83.6625, 89.5359, 86.2715



81.0884, 89.5359, 101.6921



86.5563, 89.5359, 109.6398



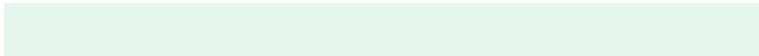
89.2443, 89.5359, 93.4041

Rectangle

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



83.6625, 89.5359, 86.2715



81.1116, 89.5359, 93.2211



86.5563, 89.5359, 109.6398



89.2195, 89.5359, 101.8860

Sweetspot

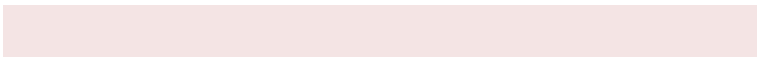
The Sweet Spot groups the original color and five complimentary colors.



83.6650, 89.5398, 86.2734



94.2391, 99.6756, 104.6327



79.0581, 80.3235, 84.7373



20.1795, 21.3381, 22.4404



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.



83.6650, 89.5398, 86.2734



91.9354, 98.7539, 92.5105



80.9497, 88.1400, 86.1464



17.9142, 19.3134, 17.5812



37.8633, 45.6321, 6.8123



3.3280, 4.0107, 0.5987

Inverse Universe

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



76.0709, 78.5149, 96.7382



81.7749, 84.0030, 106.5119



78.6673, 79.8534, 96.8597



15.5817, 15.9270, 20.7955



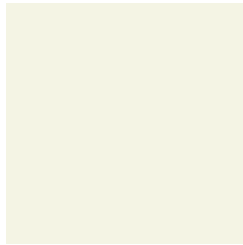
8.8796, 3.5519, 46.7556



0.7806, 0.3123, 4.1094

Previews

White Background



This preview shows how the XYZ color 83.6625, 89.5359, 86.2715 looks on a white background.

Color Contrast Check

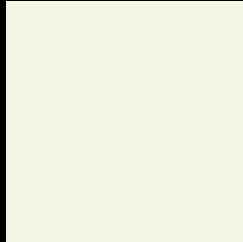
Large Text (above 18pt) WCAG AA × Fail

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 83.6625, 89.5359, 86.2715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

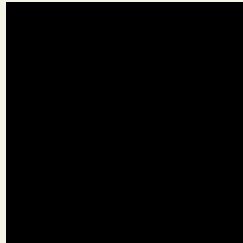
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

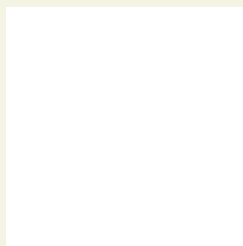
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.6625, 89.5359, 86.2715

Background



This preview shows how black text looks on a background with the XYZ color 83.6625, 89.5359, 86.2715.



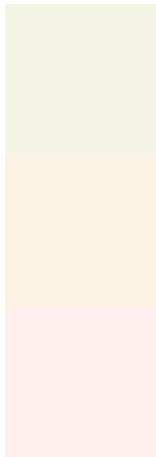
This preview shows how white text looks on a background with the XYZ color 83.6625, 89.5359,

86.2/15.

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

83.6625, 89.5359, 86.2715

Protanopia

85.4009, 89.5595, 85.4587

Deuteranopia

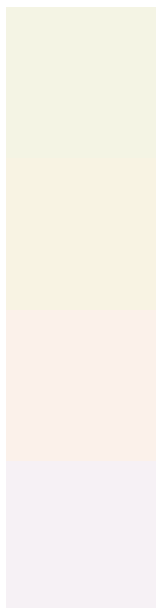
87.5391, 89.1661, 93.4859



Tritanopia

87.5679, 89.3143, 107.2318

Trichromacy



Original Color

83.6625, 89.5359, 86.2715

Protanomaly

84.6271, 89.6037, 85.5080

Deuteranomaly

86.0902, 89.3603, 90.5527

Tritanomaly

85.9428, 89.0960, 99.0538

Monochromacy



Original Color

83.6625, 89.5359, 86.2715

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

84.2988, 89.2703, 92.9086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.6625, 89.5359, 86.2715 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, 244, 228) looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 83.6625, 89.5359, 86.2715 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, 244, 228) }
```


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

```
.border{ border-color:rgb(244, 244, 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, 244, 228)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 83.6625, 89.5359, 86.2715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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