

Converting Colors

XYZ(86.5671, 87.2467, 83.8153)

Have a look what the booklet for
XYZ(86.5671, 87.2467, 83.8153)
contains.

XYZ(84.5389, 86.1129, 83.3999)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(84.5389, 86.1129,
83.3999)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEBE1
RGB	255, 235, 225
RGB Percent	100%, 92%, 88%
CMY	0.0000, 0.0784, 0.1176
CMYK	0.00, 0.08, 0.12, 0.00
HSL	20°, 100%, 94%
HSV	20°, 12%, 100%
XYZ	84.5389, 86.1129, 83.3999
YIQ	239.8400, 15.1300, 1.1300

Conversions

Conversions Part 2

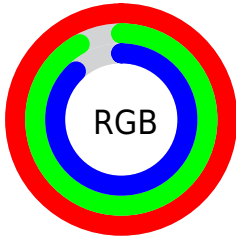
Format	Color
R _Y B	255, 240, 225
Decimal	16772065
CIE Lab	94.36, 5.16, 7.29
CIE LCh	94, 8.926, 54.703
Yxy	86.1129, 0.3328, 0.3390
Android (android.graphics.Color)	4294962145 (0xFFFFE1E1)
YUV	239.8400, -7.3161, 13.2953
Hunter-Lab	92.7970, 0.2202, 11.6720

Details

The XYZ color **84.5389, 86.1129, 83.3999** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.7529, 88.5299, 107.3869**, and the grayscale version is **82.7482, 87.0576, 94.8057**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.6645, 47.1482, 44.6712** is the 20% darker color. If you saturate the color by 10%, you get **76.6813, 75.5551, 64.8808**, and if you desaturate by 10%, it is **93.3851, 97.8156, 104.8138**.

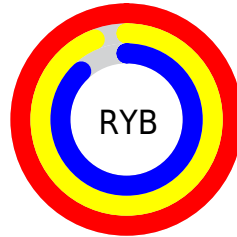
Distribution



Red (100%)

Green (92%)

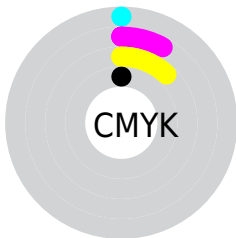
Blue (88%)



Red (100%)

Yellow (94%)

Blue (88%)

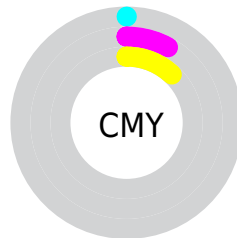


Cyan (0%)

Magenta (8%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.5389, 86.1129, 83.3999 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 84.5389, 86.1129, 83.3999 by changing the saturation by 10% instead.


 84.5389, 86.1129,
83.3999

 84.5389, 86.1129,
83.3999


498.6078,
515.3034, 526.3242

 63.7817, 64.7613,
61.9776


138.6461,
141.9270, 139.9897

 46.7349, 47.2676,
44.5789


172.7268,
177.1584, 175.9942

 33.0332, 33.2472,
30.7854


211.9794,
217.7851, 217.6965

 22.3112, 22.3159,
20.1784

256.7692,
264.1916, 265.5152

 14.2036, 14.0892,
12.3394

307.4616,
316.7623, 319.8687

 8.3451, 8.1827,
6.8499

364.4219,

 4.3702, 4.2121,

375.8816, 381.1757

3.2914

428.0155,
441.9338, 449.8547

■ 1.9136, 1.7929,
1.2453

■ 0.5847, 0.4827,
0.0163

■ 84.5389, 86.1129,
83.3999

■ 84.5389, 86.1129,
83.3999

■ 76.6813, 75.5551,
64.8808

■ 93.3851, 97.8156,
104.8138

■ 69.7702, 66.0962,
49.1258

95.0500, 100.0000,
108.9000

■ 63.7696, 57.7030,
36.0024

■ 58.6383, 50.3361,
25.3647

■ 54.3319, 43.9540,
17.0527

■ 50.8017, 38.5117,
10.8871

■ 47.9927, 33.9604,
6.6624

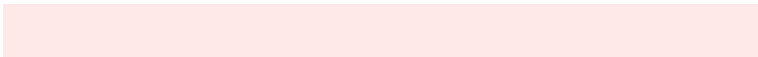
■ 45.8411, 30.2455,
4.1314

■ 44.4919, 27.7638,
3.0140

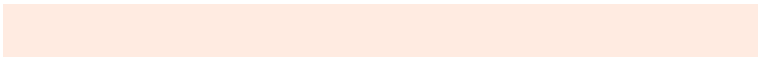
Harmonies

Analogous

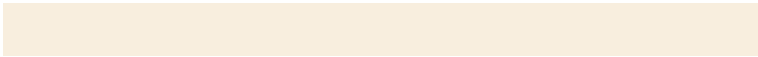
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1052, 86.1129, 88.3553



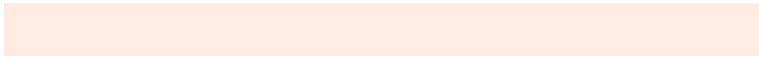
84.5389, 86.1129, 83.3999



82.2738, 86.1129, 81.2277

Triad

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



84.5389, 86.1129, 83.3999



77.3452, 86.1129, 92.5494



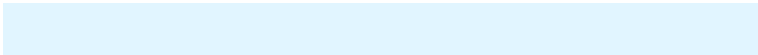
83.7884, 86.1129, 106.2681

Complementary

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



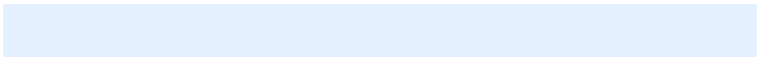
84.5389, 86.1129, 83.3999



81.7529, 88.5299, 107.3869

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.



81.4231, 86.1129, 107.5244



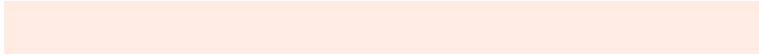
84.5389, 86.1129, 83.3999



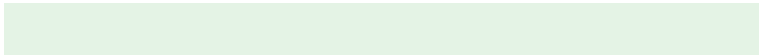
77.7329, 86.1129, 99.3856

Square

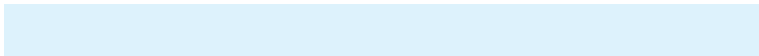
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.5389, 86.1129, 83.3999



78.1446, 86.1129, 86.3427



79.2143, 86.1129, 104.9494



85.6660, 86.1129, 101.5952

Rectangle

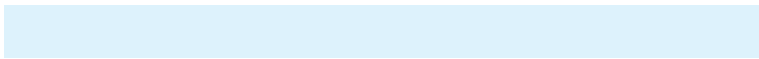
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.5389, 86.1129, 83.3999



80.6839, 86.1129, 81.5696



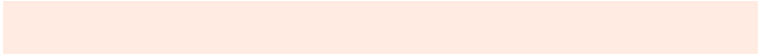
79.2143, 86.1129, 104.9494



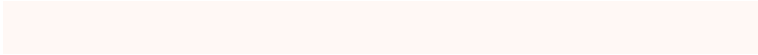
83.0227, 86.1129, 107.1133

Sweetspot

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



84.5409, 86.1165, 83.4017



91.3204, 95.0993, 99.7691



84.6472, 81.7039, 97.6957



19.4001, 20.1624, 20.9986



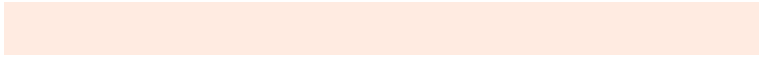
0.0000, 0.0000, 0.0000



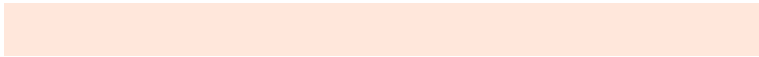
20.3446, 21.4041, 23.3091

Same Dimension

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



84.5409, 86.1165, 83.4017



82.6993, 83.6575, 79.0139



89.0165, 95.0677, 84.8936



18.5043, 18.9767, 18.8319



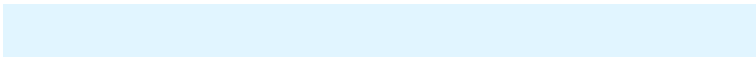
23.3699, 14.7511, 1.6155



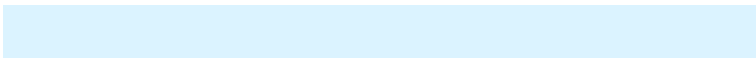
2.3711, 1.6276, 0.1892

Inverse Universe

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



81.7529, 88.5299, 107.3869



79.4325, 86.4841, 107.1143



77.3991, 79.8222, 105.9356



18.0146, 19.4008, 23.0452



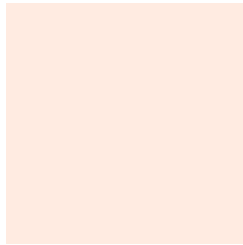
17.0814, 19.0724, 52.2156



1.7637, 2.0582, 5.1176

Previews

White Background



This preview shows how the XYZ color 84.5389, 86.1129, 83.3999 looks on a white background.

Color Contrast Check

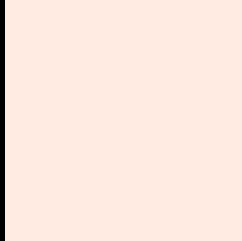
Large Text (above 18pt) WCAG AA × Fail

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 84.5389, 86.1129, 83.3999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

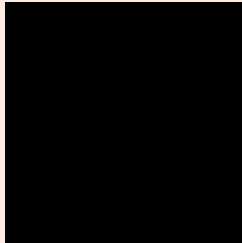
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.5389, 86.1129, 83.3999

Background



This preview shows how black text looks on a background with the XYZ color 84.5389, 86.1129, 83.3999.



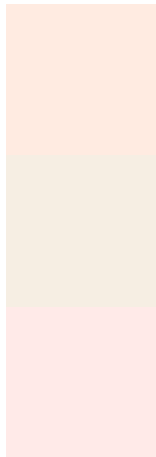
This preview shows how white text looks on a background with the XYZ color 84.5389, 86.1129,

83.3999.

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

84.5389, 86.1129, 83.3999

Protanopia

82.4457, 86.2880, 84.9829

Deuteranopia

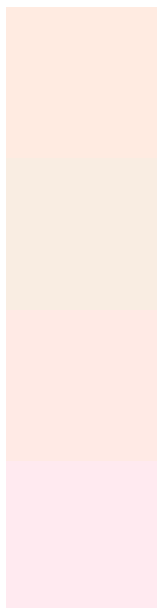
85.2283, 85.9318, 88.4384



Tritanopia

87.3222, 86.3151, 100.8650

Trichromacy



Original Color

84.5389, 86.1129, 83.3999

Protanomaly

83.0786, 86.1991, 84.2109

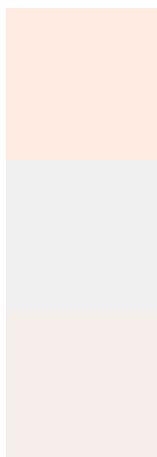
Deuteranomaly

84.8057, 85.7628, 86.2129

Tritanomaly

86.3910, 86.3969, 94.5611

Monochromacy



Original Color

84.5389, 86.1129, 83.3999

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

83.2261, 86.5597, 90.9185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.5389, 86.1129, 83.3999 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(255, 235, 225) looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 225)  
}
```

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(255, 235, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 225) }
```

Border

The CSS property to change the border of an element to XYZ 84.5389, 86.1129, 83.3999 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(255, 235, 225) }
```


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

```
.border{ border-color:rgb(255, 235, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 235, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 225);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 84.5389, 86.1129, 83.3999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 225) }
```

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

```
.background{ background-color: rgb(255,  
235, 225) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor