

Converting Colors

XYZ(111.5913, 100.0000,
78.1417)

Have a look what the booklet for
XYZ(111.5913, 100.0000, 78.1417)
contains.

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Color

**XYZ(83.3430, 85.6345,
77.1022)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEBD8
RGB	255, 235, 216
RGB Percent	100%, 92%, 85%
CMY	0.0000, 0.0784, 0.1529
CMYK	0.00, 0.08, 0.15, 0.00
HSL	29°, 100%, 92%
HSV	29°, 15%, 100%
XYZ	83.3430, 85.6345, 77.1022
YIQ	238.8140, 18.0190, -1.6690

Conversions

Conversions Part 2

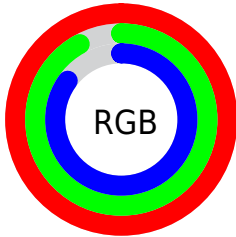
Format	Color
R _Y B	255, 253, 216
Decimal	16772056
CIE Lab	94.16, 3.76, 11.66
CIE LCh	94, 12.251, 72.117
Yxy	85.6345, 0.3387, 0.3480
Android (android.graphics.Color)	4294962136 (0xFFFFEBD8)
YUV	238.8140, -11.2473, 14.1951
Hunter-Lab	92.5389, -1.1813, 15.3776

Details

The XYZ color **83.3430, 85.6345, 77.1022** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.3636, 81.8076, 106.3734**, and the grayscale version is **81.9760, 86.2452, 93.9210**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.8418, 46.8192, 40.3391** is the 20% darker color. If you saturate the color by 10%, you get **76.6926, 77.2065, 59.8634**, and if you desaturate by 10%, it is **90.7842, 94.8247, 97.1307**.

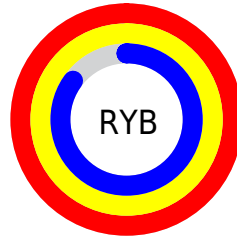
Distribution



Red (100%)

Green (92%)

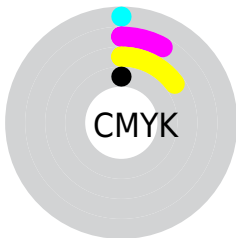
Blue (85%)



Red (100%)

Yellow (99%)

Blue (85%)

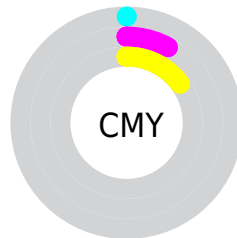


Cyan (0%)

Magenta (8%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.3430, 85.6345, 77.1022 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 83.3430, 85.6345, 77.1022 by changing the saturation by 10% instead.


 83.3430, 85.6345,
77.1022

 83.3430, 85.6345,
77.1022


494.6956,
513.7253, 504.5593

 62.7910, 64.3658,
56.8247


136.9818,
141.2593, 131.0581

 45.9302, 46.9470,
40.4561


170.7993,
176.3842, 165.5735

 32.3951, 32.9938,
27.5778


209.7694,
216.8966, 205.6720

 21.8205, 22.1217,
17.7714

254.2574,
263.1810, 251.7721

 13.8409, 13.9463,
10.6183

304.6286,
315.6216, 304.2924

 8.0911, 8.0833,
5.6998

361.2485,

 4.2056, 4.1483,

374.6029, 363.6513

2.5976

424.4824,
440.5093, 430.2674

■ 1.8191, 1.7569,
0.8912

■ 0.5291, 0.4601,
0.0000

■ 83.3430, 85.6345,
77.1022

■ 83.3430, 85.6345,
77.1022

■ 76.6926, 77.2065,
59.8634

■ 90.7842, 94.8247,
97.1307

■ 70.7976, 69.5085,
45.2832

95.0500, 100.0000,
108.9000

■ 65.6286, 62.5220,
33.2277

■ 61.1515, 56.2233,
23.5493

■ 57.3294, 50.5871,
16.0846

■ 54.1208, 45.5860,
10.6494

■ 51.4783, 41.1896,
7.0290

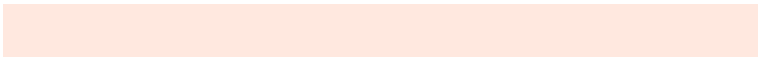
■ 49.3447, 37.3633,
4.9590

■ 48.4809, 35.7418,
4.3436

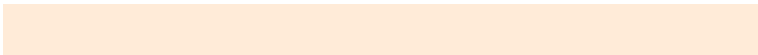
Harmonies

Analogous

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



86.1564, 85.6345, 81.6564



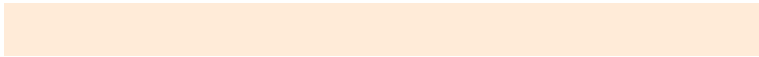
83.3430, 85.6345, 77.1022



80.0776, 85.6345, 76.6891

Triad

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



83.3430, 85.6345, 77.1022



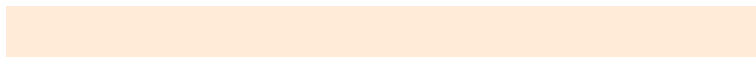
75.3872, 85.6345, 97.0805



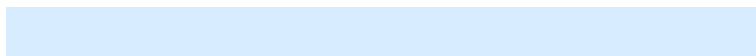
85.6919, 85.6345, 107.2762

Complementary

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



83.3430, 85.6345, 77.1022



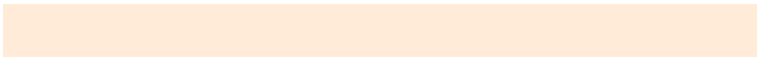
76.3636, 81.8076, 106.3734

Split Complementary

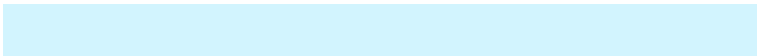
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.7227, 85.6345, 112.0189



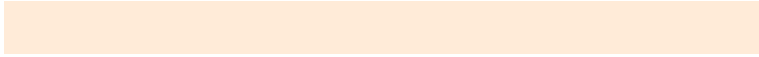
83.3430, 85.6345, 77.1022



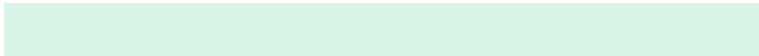
76.8085, 85.6345, 105.8734

Square

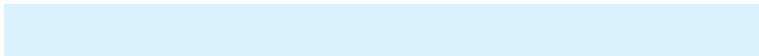
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.3430, 85.6345, 77.1022



75.5432, 85.6345, 87.8099



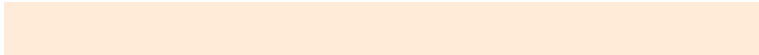
79.4737, 85.6345, 111.4889



87.5374, 85.6345, 98.8925

Rectangle

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



83.3430, 85.6345, 77.1022



78.0892, 85.6345, 78.7790



79.4737, 85.6345, 111.4889



84.7888, 85.6345, 109.3737

Sweetspot

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



83.3450, 85.6381, 77.1040



91.0146, 95.1059, 97.7617



80.9586, 76.4375, 89.9588



19.3630, 20.2127, 20.6025



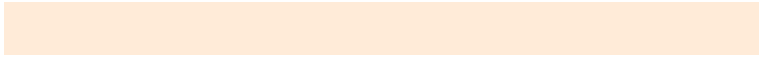
0.0000, 0.0000, 0.0000



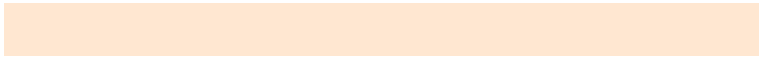
20.3446, 21.4041, 23.3091

Same Dimension

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



83.3450, 85.6381, 77.1040



81.4680, 83.2824, 72.1678



89.1879, 97.3240, 79.0516



18.7401, 19.4484, 18.9105



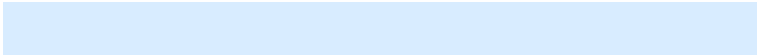
25.4806, 18.9724, 2.3191



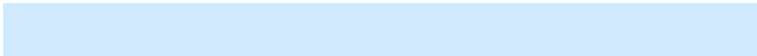
2.5898, 2.0651, 0.2621

Inverse Universe

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



76.3636, 81.8076, 106.3734



73.4077, 78.8597, 105.9602



71.0926, 71.2656, 104.6164



17.7731, 18.9178, 22.9647



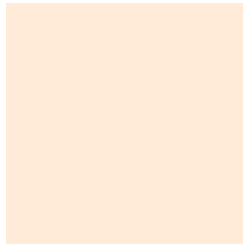
13.8040, 12.5176, 51.1232



1.4534, 1.4376, 5.0141

Previews

White Background



This preview shows how the XYZ color 83.3430, 85.6345, 77.1022 looks on a white background.

Color Contrast Check

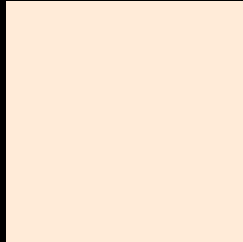
Large Text (above 18pt) WCAG AA × Fail

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 83.3430, 85.6345, 77.1022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

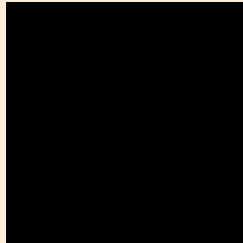
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.3430, 85.6345, 77.1022

Background



This preview shows how black text looks on a background with the XYZ color 83.3430, 85.6345, 77.1022.

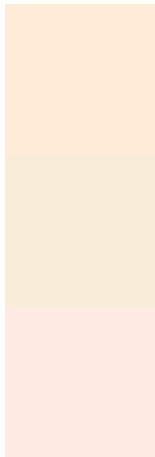


This preview shows how white text looks on a background with the XYZ color 83.3430, 85.6345,

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

83.3430, 85.6345, 77.1022

Protanopia

81.1663, 85.3523, 77.8424

Deuteranopia

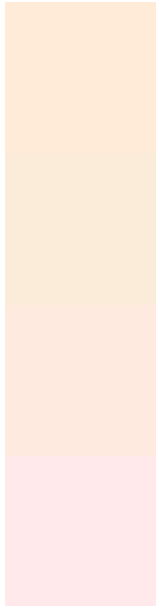
84.5279, 85.6517, 84.7504



Tritanopia

86.7312, 85.6270, 99.1452

Trichromacy



Original Color

83.3430, 85.6345, 77.1022

Protanomaly

81.9442, 85.3247, 77.7960

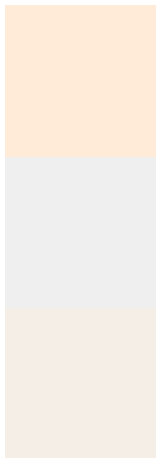
Deuteranomaly

83.9821, 85.4334, 81.8760

Tritanomaly

85.3743, 85.5360, 90.6076

Monochromacy



Original Color

83.3430, 85.6345, 77.1022

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

82.6545, 86.3311, 87.9085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.3430, 85.6345, 77.1022 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, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 216)  
}
```

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, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 216) }
```

Border

The CSS property to change the border of an element to XYZ 83.3430, 85.6345, 77.1022 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, 216) }
```


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

```
.border{ border-color:rgb(255, 235, 216) }
```

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, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 83.3430, 85.6345, 77.1022 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, 216) }
```

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

```
.background{ background-color: rgb(255,  
235, 216) }
```

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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