

Converting Colors

XYZ(109.2671, 100.0000,
76.3187)

Have a look what the booklet for
XYZ(109.2671, 100.0000, 76.3187)
contains.

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Color

**XYZ(83.5344, 86.6325,
75.2698)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEDD5
RGB	255, 237, 213
RGB Percent	100%, 93%, 84%
CMY	0.0000, 0.0706, 0.1647
CMYK	0.00, 0.07, 0.16, 0.00
HSL	34°, 100%, 92%
HSV	34°, 16%, 100%
XYZ	83.5344, 86.6325, 75.2698
YIQ	239.6460, 18.4320, -3.6480

Conversions

Conversions Part 2

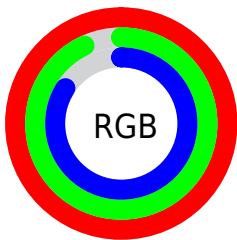
Format	Color
R _Y B	245, 255, 213
Decimal	16772565
CIE Lab	94.58, 2.29, 13.82
CIE LCh	95, 14.006, 80.588
Yxy	86.6325, 0.3404, 0.3530
Android (android.graphics.Color)	4294962645 (0xFFFFEDD5)
YUV	239.6460, -13.1365, 13.4655
Hunter-Lab	93.0766, -2.6838, 17.2066

Details

The XYZ color **83.5344, 86.6325, 75.2698** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.0658, 78.5157, 105.8591**, and the grayscale version is **82.6388, 86.9425, 94.6804**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.9841, 47.5221, 39.0968** is the 20% darker color. If you saturate the color by 10%, you get **77.4819, 79.3062, 58.5198**, and if you desaturate by 10%, it is **90.2928, 94.5553, 94.7681**.

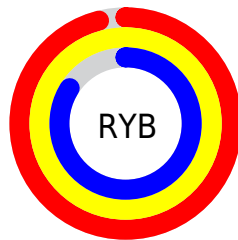
Distribution



Red (100%)

Green (93%)

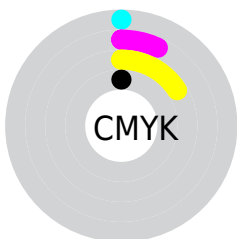
Blue (84%)



Red (96%)

Yellow (100%)

Blue (84%)

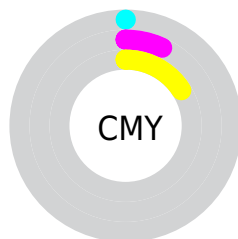


Cyan (0%)

Magenta (7%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.5344, 86.6325, 75.2698 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 83.5344, 86.6325, 75.2698 by changing the saturation by 10% instead.


 83.5344, 86.6325,
75.2698

 83.5344, 86.6325,
75.2698

495.3228,
517.0145, 498.1245

 62.9495, 65.1911,
55.3309


137.2483,
142.6518, 128.4448

 46.0589, 47.6161,
39.2663


171.1081,
177.9985, 162.5180

 32.4971, 33.5229,
26.6575


210.1235,
218.7491, 202.1397

 21.8988, 22.5274,
17.0860

254.6599,
265.2880, 247.7284

 13.8988, 14.2449,
10.1332

305.0827,
317.9996, 299.7027

 8.1315, 8.2912,
5.3806

361.7572,

 4.2317, 4.2818,

377.2683, 358.4811

2.4097

425.0488,
443.4785, 424.4822

■ 1.8341, 1.8324,
0.7917

■ 0.5381, 0.5073,
0.0000

■ 83.5344, 86.6325,
75.2698

■ 83.5344, 86.6325,
75.2698

■ 77.4819, 79.3062,
58.5198

■ 90.2928, 94.5553,
94.7681

■ 72.1019, 72.5490,
44.3865

95.0500, 100.0000,
108.9000

■ 67.3674, 66.3474,
32.7357

■ 63.2469, 60.6829,
23.4190

■ 59.7057, 55.5358,
16.2719

■ 56.7047, 50.8843,
11.1082

■ 54.1989, 46.7042,
7.7098

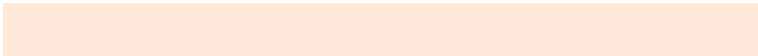
■ 52.1327, 42.9665,
5.8042

■ 51.4801, 41.7402,
5.3434

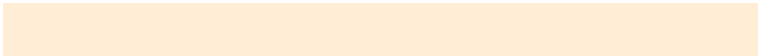
Harmonies

Analogous

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



87.0367, 86.6325, 79.1612



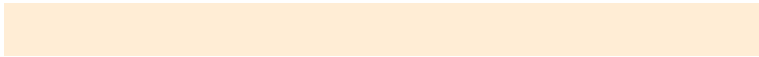
83.5344, 86.6325, 75.2698



79.8154, 86.6325, 76.1748

Triad

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



83.5344, 86.6325, 75.2698



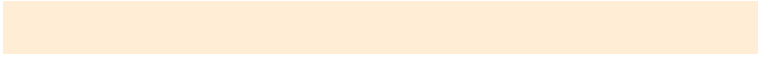
75.7316, 86.6325, 101.8286



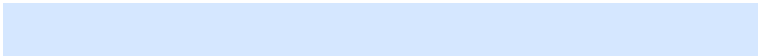
88.0780, 86.6325, 108.1518

Complementary

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



83.5344, 86.6325, 75.2698



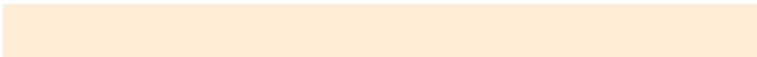
74.0658, 78.5157, 105.8591

Split Complementary

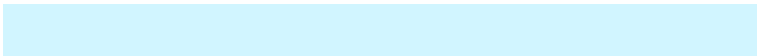
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.9205, 86.6325, 115.1580



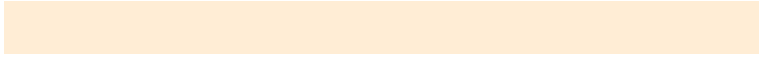
83.5344, 86.6325, 75.2698



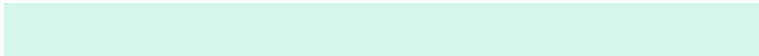
77.8185, 86.6325, 111.3181

Square

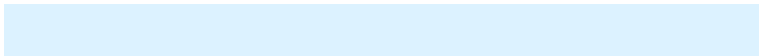
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.5344, 86.6325, 75.2698



75.3861, 86.6325, 90.9690



81.1602, 86.6325, 116.3590



89.7122, 86.6325, 97.7688

Rectangle

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



83.5344, 86.6325, 75.2698



77.7087, 86.6325, 79.4053



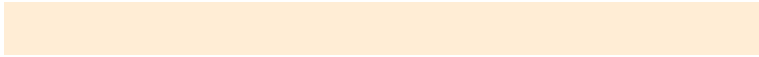
81.1602, 86.6325, 116.3590



87.1551, 86.6325, 111.0123

Sweetspot

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



83.5365, 86.6362, 75.2716



91.3466, 95.7699, 97.8724



79.4869, 74.6303, 85.9659



19.4437, 20.3741, 20.6294



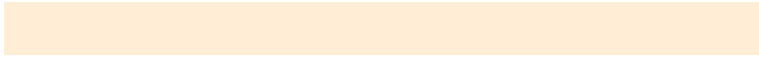
0.0000, 0.0000, 0.0000



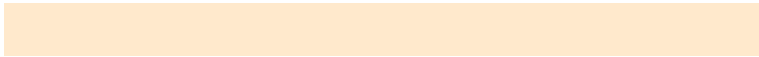
20.3446, 21.4041, 23.3091

Same Dimension

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



83.5365, 86.6362, 75.2716



81.3204, 83.9822, 69.0509



87.9879, 97.0570, 77.0484



18.8713, 19.7108, 18.9543



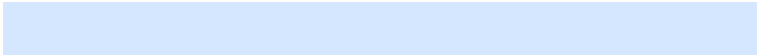
27.0507, 22.1126, 2.8424



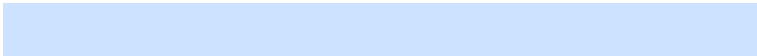
2.7423, 2.3700, 0.3129

Inverse Universe

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



74.0658, 78.5157, 105.8591



70.1075, 74.3687, 105.2673



70.1051, 69.3782, 104.3041



17.6429, 18.6574, 22.9213



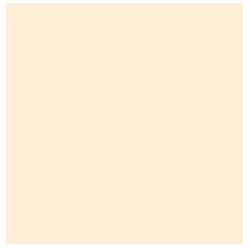
12.4442, 9.7980, 50.6699



1.3175, 1.1656, 4.9688

Previews

White Background



This preview shows how the XYZ color 83.5344, 86.6325, 75.2698 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 83.5344, 86.6325, 75.2698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

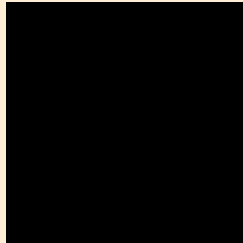
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.5344, 86.6325, 75.2698

Background



This preview shows how black text looks on a background with the XYZ color 83.5344, 86.6325, 75.2698.



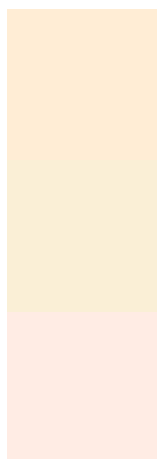
This preview shows how white text looks on a background with the XYZ color 83.5344, 86.6325,

75.2698.

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

83.5344, 86.6325, 75.2698

Protanopia

82.4284, 86.9120, 76.0496

Deuteranopia

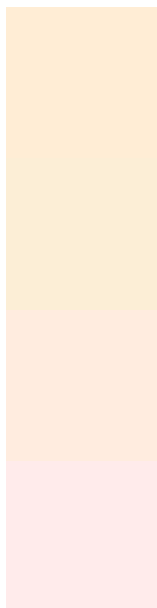
85.2390, 86.8523, 85.6704



Tritanopia

87.4513, 86.8210, 100.1446

Trichromacy



Original Color

83.5344, 86.6325, 75.2698

Protanomaly

82.8570, 86.6996, 75.9860

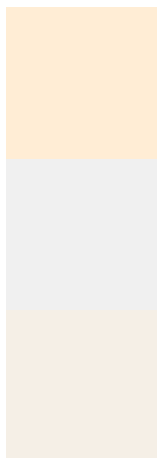
Deuteranomaly

84.5547, 86.5786, 82.0669

Tritanomaly

85.9437, 86.6748, 90.7975

Monochromacy



Original Color

83.5344, 86.6325, 75.2698

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.8056, 86.8587, 87.2640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.5344, 86.6325, 75.2698 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, 237, 213)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 213)  
}
```

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, 237, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 213) }
```

Border

The CSS property to change the border of an element to XYZ 83.5344, 86.6325, 75.2698 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, 237, 213) }
```


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

```
.border{ border-color:rgb(255, 237, 213) }
```

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

Here you see how a box with a 4 pixel rgb(255, 237, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 213);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 83.5344, 86.6325, 75.2698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 213) }
```

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

```
.background{ background-color: rgb(255,  
237, 213) }
```

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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