

# Converting Colors

XYZ(83.2706, 85.7053, 83.1921)

Have a look what the booklet for  
XYZ(83.2706, 85.7053, 83.1921)  
contains.

<b>XYZ(83.3697, 85.9364, 83.4275)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(83.3697, 85.9364,  
83.4275)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBECE1
RGB	251, 236, 225
RGB Percent	98%, 93%, 88%
CMY	0.0157, 0.0745, 0.1176
CMYK	0.00, 0.06, 0.10, 0.02
HSL	25°, 76%, 93%
HSV	25°, 10%, 98%
XYZ	83.3697, 85.9364, 83.4275
YIQ	239.2310, 12.4710, -0.2410

# Conversions

## Conversions Part 2

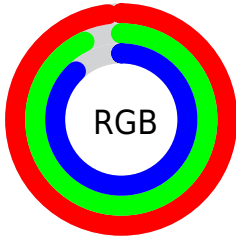
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	251, 244, 225
Decimal	16510177
CIE <sub>Lab</sub>	94.29, 3.26, 7.13
CIE <sub>LCh</sub>	94, 7.842, 65.472
Yxy	85.9364, 0.3299, 0.3400
Android (android.graphics.Color)	4294700257 (0xFFFFBECE1)
YUV	239.2310, -7.0159, 10.3214
Hunter-Lab	92.7019, -1.6977, 11.5330

# Details

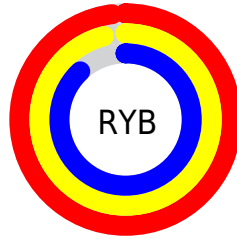
The XYZ color **83.3697, 85.9364, 83.4275** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.6237, 85.2911, 103.5338**, and the grayscale version is **82.2721, 86.5567, 94.2602**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.8251, 47.0141, 44.6896** is the 20% darker color. If you saturate the color by 10%, you get **76.1944, 76.6681, 65.3659**, and if you desaturate by 10%, it is **91.3910, 96.0893, 104.2565**.

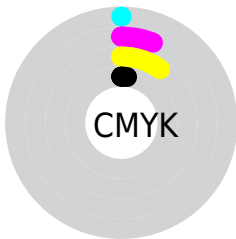
# Distribution



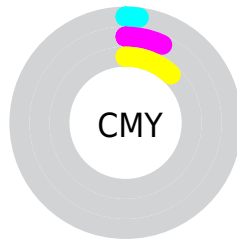
- Red (98%)
- Green (93%)
- Blue (88%)



- Red (98%)
- Yellow (96%)
- Blue (88%)



- Cyan (0%)
- Magenta (6%)
- Yellow (10%)
- Black (2%)




- Cyan (2%)
- Magenta (7%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.3697, 85.9364, 83.4275 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 83.3697, 85.9364, 83.4275 by changing the saturation by 10% instead.




 83.3697, 85.9364,  
83.4275

 83.3697, 85.9364,  
83.4275


494.7831,  
514.7215, 526.4184

 62.8131, 64.6154,  
62.0002


137.0190,  
141.6807, 140.0286

 45.9481, 47.1493,  
44.5971


170.8424,  
176.8728, 176.0396

 32.4093, 33.1537,  
30.7996


209.8188,  
217.4574, 217.7488

 21.8314, 22.2442,  
20.1891

254.3135,  
263.8189, 265.5749

 13.8490, 14.0364,  
12.3471

304.6920,  
316.3416, 319.9364

 8.0967, 8.1460,  
6.8551

361.3195,

 4.2092, 4.1885,

375.4101, 381.2517

3.2946

424.5614,  
441.4085, 449.9396

■ 1.8212, 1.7796,  
1.2470

■ 0.5304, 0.4744,  
0.0177

■ 83.3697, 85.9364,  
83.4275

■ 83.3697, 85.9364,  
83.4275

■ 76.1944, 76.6681,  
65.3659

■ 91.3910, 96.0893,  
104.2565

■ 69.8282, 68.2484,  
49.9482

■ 93.5940, 99.2494,  
108.8319

■ 64.2417, 60.6551,  
37.0500

■ 59.4008, 53.8609,  
26.5342

■ 55.2686, 47.8367,  
18.2508

■ 51.8046, 42.5512,  
12.0325

■ 48.9631, 37.9703,  
7.6875

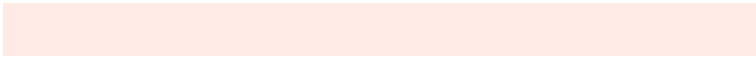
■ 46.6910, 34.0563,  
4.9878

■ 44.9626, 30.8667,  
3.5881

# Harmonies

## Analogous

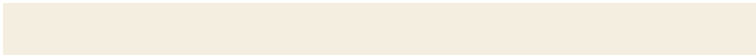
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.0167, 85.9364, 87.0110



83.3697, 85.9364, 83.4275



81.2951, 85.9364, 82.5119

# Triad

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



83.3697, 85.9364, 83.4275



77.7215, 85.9364, 94.6786



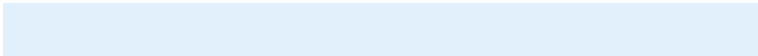
84.0485, 85.9364, 103.3192

# Complementary

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



83.3697, 85.9364, 83.4275



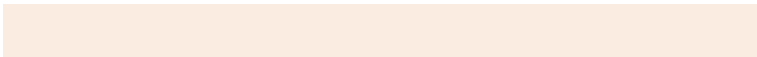
79.6237, 85.2911, 103.5338

# Split Complementary

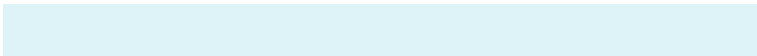
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.0661, 85.9364, 105.5747



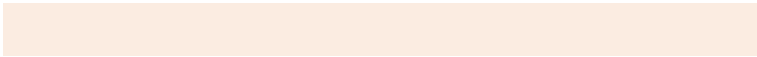
83.3697, 85.9364, 83.4275



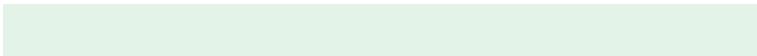
78.4317, 85.9364, 100.4509

# Square

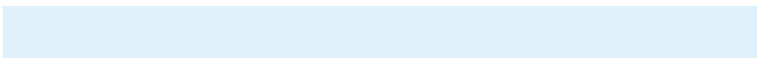
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.3697, 85.9364, 83.4275



78.0571, 85.9364, 88.8457



80.0132, 85.9364, 104.5032



85.4132, 85.9364, 98.4592



# Rectangle

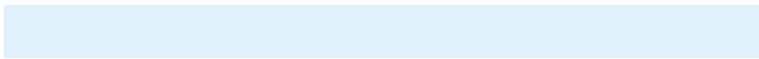
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.3697, 85.9364, 83.4275



79.9537, 85.9364, 83.5023



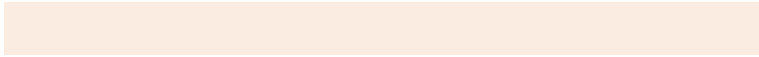
80.0132, 85.9364, 104.5032



83.4310, 85.9364, 104.4164

# Sweetspot

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



83.3721, 85.9402, 83.4293



92.4512, 96.7342, 102.0780



82.4628, 80.6620, 93.7920



19.6426, 20.5213, 21.4683



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

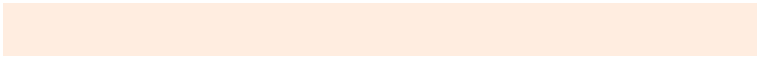


# Same Dimension

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



83.3721, 85.9402, 83.4293



85.1350, 87.4358, 83.1955



87.1994, 93.5948, 84.7051



17.8485, 18.4328, 18.0796



23.7710, 16.4986, 1.9317

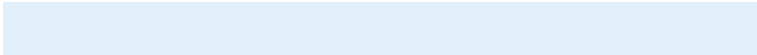


2.3041, 1.7330, 0.2131

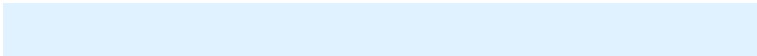


# Inverse Universe

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



79.6237, 85.2911, 103.5338



80.6811, 86.6643, 107.0833



75.9798, 78.0032, 102.3191



17.1144, 18.3057, 22.0166



14.6034, 14.5624, 50.0147

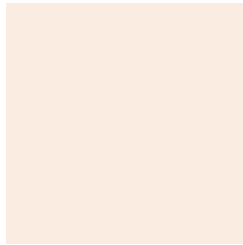


1.4575, 1.5587, 4.6672



# Previews

## White Background



This preview shows how the XYZ color 83.3697, 85.9364, 83.4275 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 83.3697, 85.9364, 83.4275 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

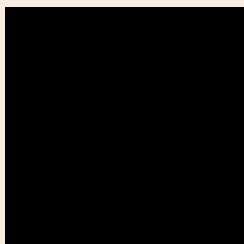
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

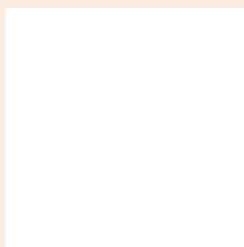
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 83.3697, 85.9364, 83.4275**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.3697, 85.9364, 83.4275.



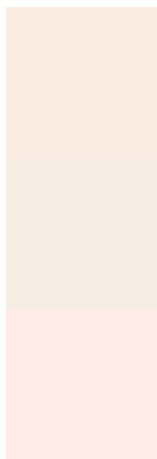
This preview shows how white text looks on a background with the XYZ color 83.3697, 85.9364,

83.4275.

# 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

83.3697, 85.9364, 83.4275

### Protanopia

82.3080, 86.2329, 84.2580

### Deuteranopia

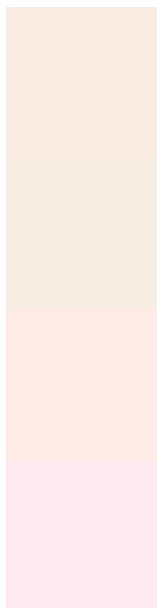
85.2283, 85.9318, 88.4384



## Tritanopia

87.3519, 85.8754, 102.4141

# Trichromacy



## Original Color

83.3697, 85.9364, 83.4275

## Protanomaly

82.7231, 86.0158, 84.1942

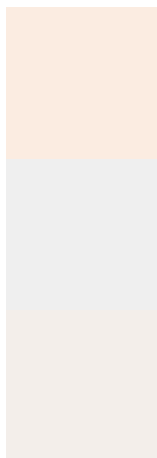
## Deuteranomaly

84.7242, 86.1446, 86.2909

## Tritanomaly

85.8891, 85.6995, 95.2339

# Monochromacy



## Original Color

83.3697, 85.9364, 83.4275

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

82.3880, 86.1443, 90.1271

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.3697, 85.9364, 83.4275 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(251, 236, 225) looks like.

```
.text, #text, p{  
    color:rgb(251, 236, 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(251, 236, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 236, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 83.3697, 85.9364, 83.4275 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(251, 236, 225) }
```



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

```
.border{ border-color:rgb(251, 236, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 236, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 236, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 236, 225);  
box-shadow:4px 4px 4px 4px rgb(251, 236,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.3697, 85.9364, 83.4275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 236, 225) }
```

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

```
.background{ background-color: rgb(251,  
236, 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](#).

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