

Converting Colors

XYZ(84.9326, 91.6020, 83.7199)

Have a look what the booklet for
XYZ(84.9326, 91.6020, 83.7199)
contains.

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Color

**XYZ(85.0731, 91.6775,
83.7327)**

Conversions

Conversions Part 1

Format	Color
Hex	F7F7E0
RGB	247, 247, 224
RGB Percent	97%, 97%, 88%
CMY	0.0314, 0.0313, 0.1216
CMYK	0.00, 0.00, 0.09, 0.03
HSL	60°, 59%, 92%
HSV	60°, 9%, 97%
XYZ	85.0731, 91.6775, 83.7327
YIQ	244.3780, 7.3830, -7.1530

Conversions

Conversions Part 2

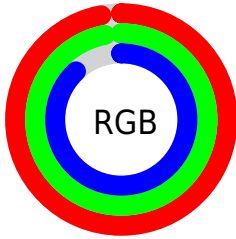
Format	Color
R _Y B	224, 247, 224
Decimal	16250848
CIE Lab	96.69, -3.87, 11.06
CIE LCh	97, 11.711, 109.270
Yxy	91.6775, 0.3266, 0.3520
Android (android.graphics.Color)	4294440928 (0xFFFF7F7E0)
YUV	244.3780, -10.0464, 2.2995
Hunter-Lab	95.7484, -8.9611, 15.1743

Details

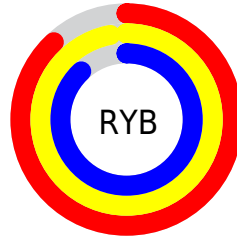
The XYZ color **85.0731, 91.6775, 83.7327** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.1881, 75.8764, 98.7360**, and the grayscale version is **86.3677, 90.8656, 98.9526**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.2781, 51.2025, 44.9274** is the 20% darker color. If you saturate the color by 10%, you get **81.9628, 90.4362, 67.3524**, and if you desaturate by 10%, it is **88.6751, 93.1215, 102.6800**.

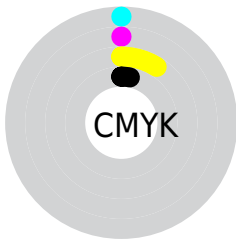
Distribution



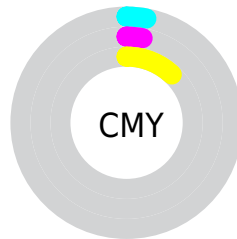
- Red (97%)
- Green (97%)
- Blue (88%)



- Red (88%)
- Yellow (97%)
- Blue (88%)



- Cyan (0%)
- Magenta (0%)
- Yellow (9%)
- Black (3%)



- Cyan (3%)
- Magenta (3%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.0731, 91.6775, 83.7327 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 85.0731, 91.6775, 83.7327 by changing the saturation by 10% instead.

85.0731, 91.6775,
83.7327

85.0731, 91.6775,
83.7327

500.3500,
533.4727, 527.4600

64.2245, 69.3728,
62.2507

139.3888,
149.6663, 140.4596

47.0949, 51.0154,
44.7982

173.5866,
186.1193, 176.5415

33.3189, 36.2208,
30.9567

212.9648,
228.0570, 218.3272

22.5313, 24.6048,
20.3077

257.8888,
275.8641, 266.2351

14.3666, 15.7829,
12.4326

308.7240,
329.9248, 320.6838

8.4595, 9.3706,
6.9129

365.8357,

4.4446, 4.9837,

390.6235, 382.0918

3.3301

429.5892,
458.3447, 450.8777

■ 1.9566, 2.2377,
1.2655

■ 0.6094, 0.7404,
0.0333

■ 85.0731, 91.6775,
83.7327

■ 85.0731, 91.6775,
83.7327

■ 81.9628, 90.4362,
67.3524

■ 88.6751, 93.1215,
102.6800

■ 79.3158, 89.3772,
53.4232


■ 89.6745, 93.5215,
107.9328


■ 77.1123, 88.4956,
41.8291


■ 89.6763, 93.5224,
107.9329


■ 75.3279, 87.7816,
32.4422

■ 89.6781, 93.5234,
107.9330


 73.9361, 87.2247,
25.1228


 89.6799, 93.5243,
107.9331


 72.9073, 86.8129,
19.7147

 89.6818, 93.5252,
107.9332


 72.2077, 86.5329,
16.0400

 89.6836, 93.5262,
107.9333

 71.7971, 86.3684,
13.8874

 89.6854, 93.5271,
107.9334

 71.6137, 86.2948,
12.9308

 89.6872, 93.5281,
107.9334

Harmonies

Analogous

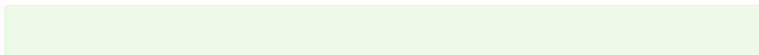
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.3154, 91.6775, 83.1154



85.0731, 91.6775, 83.7327



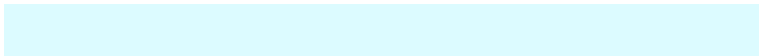
82.4471, 91.6775, 88.5002

Triad

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



85.0731, 91.6775, 83.7327



83.0885, 91.6775, 114.1346



93.4773, 91.6775, 103.2197

Complementary

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



85.0731, 91.6775, 83.7327



74.1881, 75.8764, 98.7360

Split Complementary

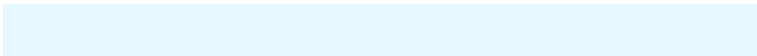
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.0008, 91.6775, 112.0687



85.0731, 91.6775, 83.7327



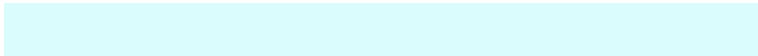
85.9685, 91.6775, 118.6278

Square

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



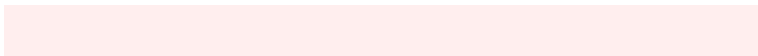
85.0731, 91.6775, 83.7327



81.3213, 91.6775, 105.8978



89.2334, 91.6775, 117.8489



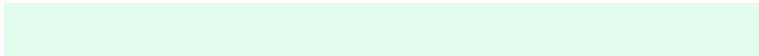
93.2229, 91.6775, 93.9816

Rectangle

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



85.0731, 91.6775, 83.7327



81.3738, 91.6775, 93.5672



89.2334, 91.6775, 117.8489



93.1655, 91.6775, 106.3478

Sweetspot

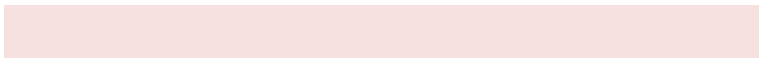
The Sweet Spot groups the original color and five complimentary colors.



85.0756, 91.6815, 83.7347



93.8420, 99.5167, 102.5418



78.4709, 78.4695, 81.5326



20.0187, 21.2737, 21.5937



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.



85.0756, 91.6815, 83.7347



90.8561, 98.3222, 86.8263



81.1450, 89.6552, 83.5507



17.9144, 19.3134, 17.5812



37.8672, 45.6341, 6.8124



3.3283, 4.0108, 0.5988

Inverse Universe

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



74.1881, 75.8764, 98.7360



77.1700, 78.4545, 105.6837



77.8732, 77.7762, 98.9085



15.5816, 15.9269, 20.7955



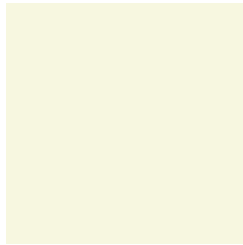
8.8794, 3.5518, 46.7556



0.7805, 0.3122, 4.1094

Previews

White Background



This preview shows how the XYZ color 85.0731, 91.6775, 83.7327 looks on a white background.

Color Contrast Check

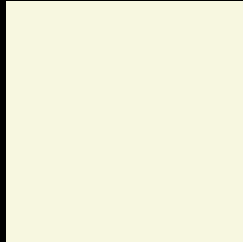
Large Text (above 18pt) WCAG AA × Fail

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 85.0731, 91.6775, 83.7327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

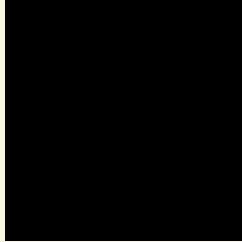
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.0731, 91.6775, 83.7327

Background



This preview shows how black text looks on a background with the XYZ color 85.0731, 91.6775, 83.7327.



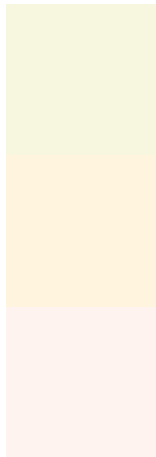
This preview shows how white text looks on a background with the XYZ color 85.0731, 91.6775,

83.7327.

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

85.0731, 91.6775, 83.7327

Protanopia

87.2117, 91.8925, 82.9525

Deuteranopia

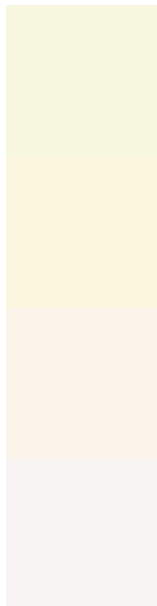
89.0188, 91.6525, 95.4370



Tritanopia

89.5249, 91.6452, 107.5786

Trichromacy



Original Color

85.0731, 91.6775, 83.7327

Protanomaly

86.4199, 91.9347, 83.0024

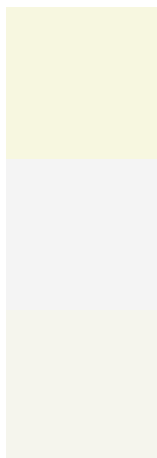
Deuteranomaly

87.3469, 91.3373, 90.8681

Tritanomaly

87.7467, 91.3728, 98.5999

Monochromacy



Original Color

85.0731, 91.6775, 83.7327

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

85.5947, 90.8317, 93.1417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.0731, 91.6775, 83.7327 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(247, 247, 224) looks like.

```
.text, #text, p{  
    color:rgb(247, 247, 224)  
}
```

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(247, 247, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 247, 224) }
```

Border

The CSS property to change the border of an element to XYZ 85.0731, 91.6775, 83.7327 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(247, 247, 224) }
```


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

```
.border{ border-color:rgb(247, 247, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 247, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 247, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 247, 224);  
box-shadow:4px 4px 4px 4px rgb(247, 247,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 85.0731, 91.6775, 83.7327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 247, 224) }
```

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

```
.background{ background-color: rgb(247,  
247, 224) }
```

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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