

Converting Colors

XYZ(83.7680, 92.4403, 84.8213)

Have a look what the booklet for
XYZ(83.7680, 92.4403, 84.8213)
contains.

XYZ(83.7114, 92.3327, 84.6441)	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(83.7114, 92.3327,
84.6441)**

Conversions

Conversions Part 1

Format	Color
Hex	F0FAE1
RGB	240, 250, 225
RGB Percent	94%, 98%, 88%
CMY	0.0588, 0.0196, 0.1176
CMYK	0.04, 0.00, 0.10, 0.02
HSL	84°, 71%, 93%
HSV	84°, 10%, 98%
XYZ	83.7114, 92.3327, 84.6441
YIQ	244.1600, 2.0650, -9.8950

Conversions

Conversions Part 2

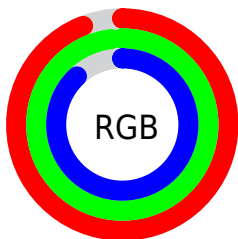
Format	Color
R _Y B	225, 250, 235
Decimal	15792865
CIE Lab	96.96, -7.60, 10.85
CIE LCh	97, 13.253, 125.013
Yxy	92.3327, 0.3211, 0.3542
Android (android.graphics.Color)	4293982945 (0xFFFF0FAE1)
YUV	244.1600, -9.4459, -3.6483
Hunter-Lab	96.0899, -12.6521, 15.0353

Details

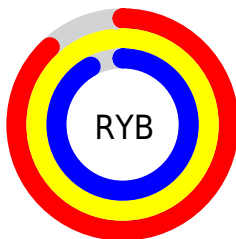
The XYZ color **83.7114, 92.3327, 84.6441** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.4451, 78.4172, 101.4488**, and the grayscale version is **86.1914, 90.6801, 98.7506**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.3146, 51.6762, 45.5637** is the 20% darker color. If you saturate the color by 10%, you get **77.2454, 89.3677, 67.8228**, and if you desaturate by 10%, it is **90.8691, 95.6020, 104.1082**.

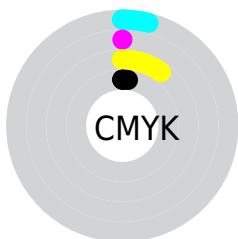
Distribution



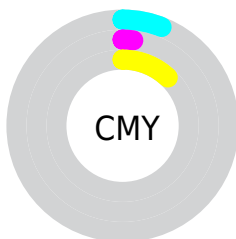
- Red (94%)
- Green (98%)
- Blue (88%)



- Red (88%)
- Yellow (98%)
- Blue (92%)



- Cyan (4%)
- Magenta (0%)
- Yellow (10%)
- Black (2%)





- Cyan (6%)
- Magenta (2%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.7114, 92.3327, 84.6441 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 83.7114, 92.3327, 84.6441 by changing the saturation by 10% instead.


 83.7114, 92.3327,
84.6441

 83.7114, 92.3327,
84.6441


495.9025,
535.5902, 530.5635

 63.0961, 69.9170,
62.9989


137.4947,
150.5744, 141.7456

 46.1779, 51.4589,
45.3993


171.3935,
187.1692, 178.0389

 32.5914, 36.5739,
31.4268


210.4508,
229.2592, 220.0520

 21.9714, 24.8778,
20.6629

255.0319,
277.2287, 268.2035

 13.9524, 15.9860,
12.6890

305.5023,
331.4622, 322.9118

 8.1690, 9.5143,
7.0865

362.2273,

 4.2560, 5.0781,

392.3440, 384.5956

3.4370

425.5723,
460.2585, 453.6733

■ 1.8480, 2.2932,
1.3219

■ 0.5463, 0.7701,
0.0796

■ 83.7114, 92.3327,
84.6441

■ 83.7114, 92.3327,
84.6441

■ 77.2454, 89.3677,
67.8228

■ 90.8691, 95.6020,
104.1082

■ 71.4390, 86.6849,
53.5244

■ 93.4774, 96.8549,
108.3758

■ 66.2684, 84.2773,
41.6287

■ 61.7054, 82.1333,
32.0030

■ 57.7192, 80.2402,
24.5021

■ 54.2756, 78.5840,
18.9639

■ 51.3361, 77.1488,
15.2029

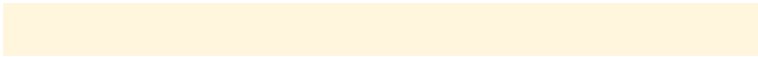
■ 48.8552, 75.9161,
12.9979

■ 46.7603, 74.8564,
11.9842

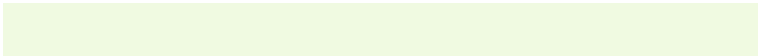
Harmonies

Analogous

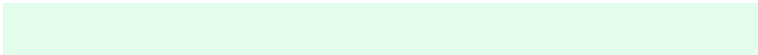
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1347, 92.3327, 81.4433



83.7114, 92.3327, 84.6441



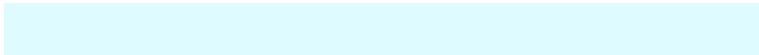
81.4226, 92.3327, 92.1117

Triad

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



83.7114, 92.3327, 84.6441



84.7669, 92.3327, 120.3093



95.0940, 92.3327, 98.7517

Complementary

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



83.7114, 92.3327, 84.6441



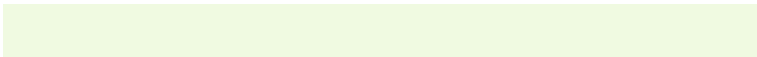
78.4451, 78.4172, 101.4488

Split Complementary

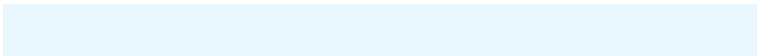
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.4169, 92.3327, 109.4560



83.7114, 92.3327, 84.6441



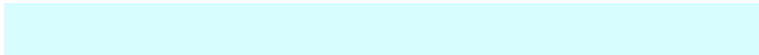
88.3872, 92.3327, 122.3981

Square

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



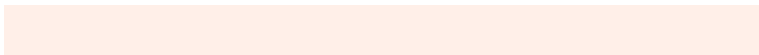
83.7114, 92.3327, 84.6441



82.0198, 92.3327, 112.7767



91.9360, 92.3327, 118.2990



93.7609, 92.3327, 89.2121

Rectangle

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



83.7114, 92.3327, 84.6441



80.8119, 92.3327, 98.7611



91.9360, 92.3327, 118.2990



95.0943, 92.3327, 102.3293

Sweetspot

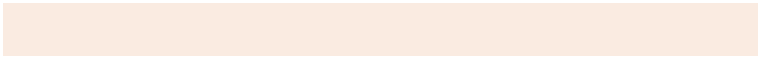
The Sweet Spot groups the original color and five complimentary colors.



83.7139, 92.3367, 84.6461



92.7254, 98.9411, 102.4895



82.7266, 85.1801, 83.3168



19.7165, 21.1179, 21.5796



0.0000, 0.0000, 0.0000



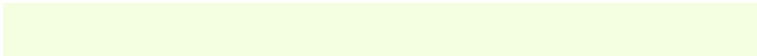
20.3446, 21.4041, 23.3091

Same Dimension

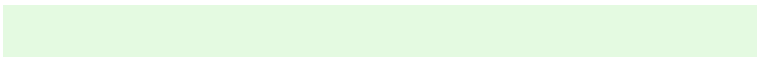
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7139, 92.3367, 84.6461



86.1470, 95.9349, 84.7826



79.6155, 90.2239, 84.4543



18.0162, 19.8241, 18.3393



24.9686, 39.7901, 6.3643



2.4321, 3.7469, 0.5950

Inverse Universe

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



78.4451, 78.4172, 101.4488



79.6195, 78.6898, 105.6000



82.7183, 80.6201, 101.6488



16.9403, 16.9819, 21.7703



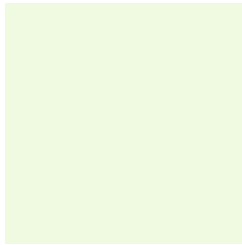
12.0939, 5.1773, 48.3355



1.2361, 0.5393, 4.4821

Previews

White Background



This preview shows how the XYZ color 83.7114, 92.3327, 84.6441 looks on a white background.

Color Contrast Check

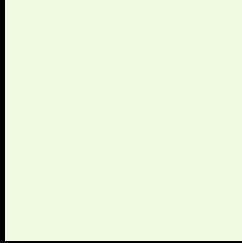
Large Text (above 18pt) WCAG AA × Fail

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 83.7114, 92.3327, 84.6441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

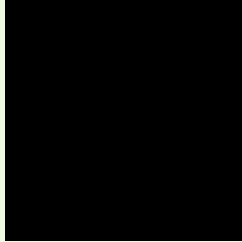
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

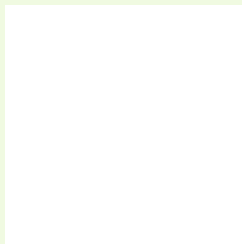
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.7114, 92.3327, 84.6441

Background



This preview shows how black text looks on a background with the XYZ color 83.7114, 92.3327, 84.6441.



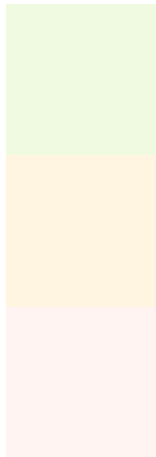
This preview shows how white text looks on a background with the XYZ color 83.7114, 92.3327,

84.6441.

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

83.7114, 92.3327, 84.6441

Protanopia

87.4830, 92.0011, 84.3813

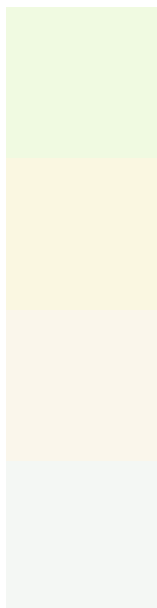
Deuteranopia

89.4679, 92.3122, 96.3217

Tritanopia

88.7084, 92.1176, 107.7128

Trichromacy



Original Color

83.7114, 92.3327, 84.6441

Protanomaly

86.2757, 92.2818, 84.4991

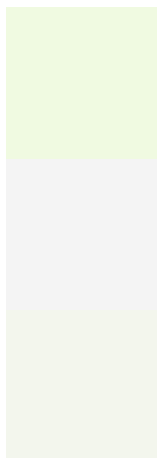
Deuteranomaly

87.3755, 92.2337, 91.7950

Tritanomaly

86.8981, 92.2863, 98.8210

Monochromacy



Original Color

83.7114, 92.3327, 84.6441

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

85.2040, 91.0806, 93.2104

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.7114, 92.3327, 84.6441 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(240, 250, 225)` looks like.

```
.text, #text, p{  
    color:rgb(240, 250, 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(240, 250, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 250, 225) }
```

Border

The CSS property to change the border of an element to XYZ 83.7114, 92.3327, 84.6441 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(240, 250, 225) }
```


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

```
.border{ border-color:rgb(240, 250, 225) }
```

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

Here you see how a box with a 4 pixel rgb(240, 250, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 250, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 250, 225);  
box-shadow:4px 4px 4px 4px rgb(240, 250,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 83.7114, 92.3327, 84.6441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 250, 225) }
```

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

```
.background{ background-color: rgb(240,  
250, 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