

Converting Colors

XYZ(83.9660, 95.0912, 88.2641)

Have a look what the booklet for
XYZ(83.9660, 95.0912, 88.2641)
contains.

XYZ(83.8345, 94.6696, 87.9832)	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(83.8345, 94.6696,
87.9832)**

Conversions

Conversions Part 1

Format	Color
Hex	EAF FE5
RGB	234, 255, 229
RGB Percent	92%, 100%, 90%
CMY	0.0823, 0.0000, 0.1020
CMYK	0.08, 0.00, 0.10, 0.00
HSL	108°, 100%, 95%
HSV	108°, 10%, 100%
XYZ	83.8345, 94.6696, 87.9832
YIQ	245.7570, -4.1700, -12.5380

Conversions

Conversions Part 2

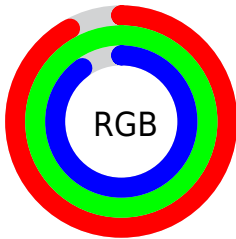
Format	Color
R _Y B	229, 255, 250
Decimal	15400933
CIE _{Lab}	97.90, -11.44, 10.10
CIE _{LCh}	98, 15.261, 138.575
Y _{xy}	94.6696, 0.3146, 0.3552
Android (android.graphics.Color)	4293591013 (0xFFEAF _{FE} 5)
Y _{UV}	245.7570, -8.2612, -10.3109
Hunter-Lab	97.2983, -16.4722, 14.4951

Details

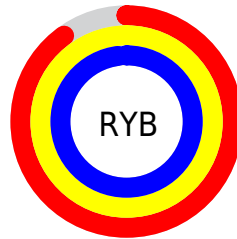
The XYZ color **83.8345, 94.6696, 87.9832** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **85.4944, 83.5838, 106.2350**, and the grayscale version is **87.4675, 92.0226, 100.2126**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.1942, 52.9091, 47.8222** is the 20% darker color. If you saturate the color by 10%, you get **74.1576, 90.0625, 70.2893**, and if you desaturate by 10%, it is **94.8220, 99.8917, 108.4712**.

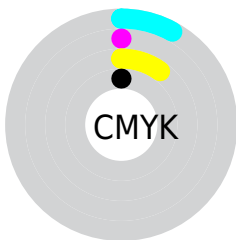
Distribution



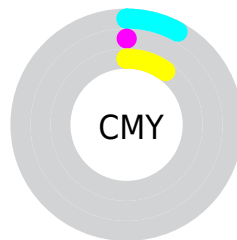
- Red (92%)
- Green (100%)
- Blue (90%)



- Red (90%)
- Yellow (100%)
- Blue (98%)



- Cyan (8%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (8%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.8345, 94.6696, 87.9832 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 83.8345, 94.6696, 87.9832 by changing the saturation by 10% instead.


 83.8345, 94.6696,
87.9832

 83.8345, 94.6696,
87.9832


496.3055,
543.1067, 541.8481

 63.1981, 71.8600,
65.7449


137.6661,
153.8081, 146.4447

 46.2607, 53.0443,
47.6102


171.5920,
190.9057, 183.5050

 32.6571, 37.8382,
33.1605


210.6783,
233.5349, 226.3430

 22.0219, 25.8571,
21.9773

255.2906,
282.0799, 275.3773

 13.9897, 16.7168,
13.6421

305.7941,
336.9252, 331.0264

 8.1951, 10.0328,
7.7362

362.5541,

 4.2729, 5.4207,

398.4552, 393.7089

3.8413

425.9362,
467.0542, 463.8433

■ 1.8577, 2.4961,
1.5387

■ 0.5520, 0.8747,
0.2465

■ 83.8345, 94.6696,
87.9832

■ 83.8345, 94.6696,
87.9832

■ 74.1576, 90.0625,
70.2893

94.8220, 99.8917,
108.4712

■ 65.7396, 86.0467,
55.2643

95.0500, 100.0000,
108.9000

■ 58.5285, 82.5981,
42.7800

■ 52.4679, 79.6907,
32.6958

■ 47.4967, 77.2963,
24.8576

■ 43.5477, 75.3840,
19.0932

■ 40.5462, 73.9196,
15.2056

■ 38.4061, 72.8638,
12.9597

■ 37.0283, 72.1739,
11.9794

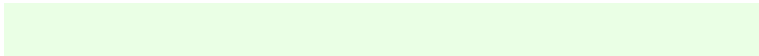
Harmonies

Analogous

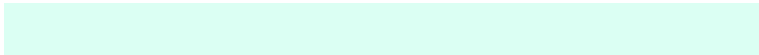
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3341, 94.6696, 81.9372



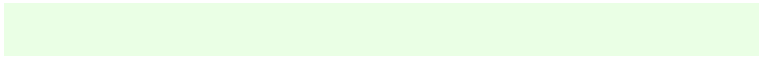
83.8345, 94.6696, 87.9832



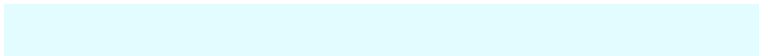
82.0042, 94.6696, 98.3921

Triad

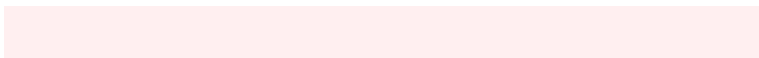
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.8345, 94.6696, 87.9832



88.3288, 94.6696, 128.4731



98.1709, 94.6696, 95.6120

Complementary

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



83.8345, 94.6696, 87.9832



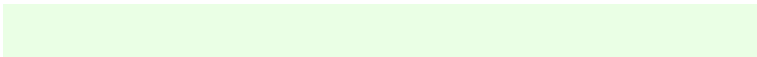
85.4944, 83.5838, 106.2350

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.



98.4582, 94.6696, 107.9126



83.8345, 94.6696, 87.9832



92.6801, 94.6696, 127.5768

Square

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



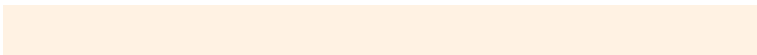
83.8345, 94.6696, 87.9832



84.5424, 94.6696, 122.1681



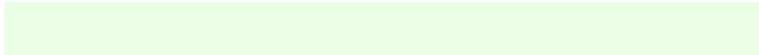
96.4200, 94.6696, 119.8099



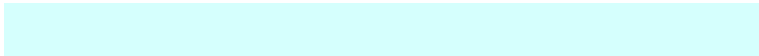
95.6472, 94.6696, 86.0899

Rectangle

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



83.8345, 94.6696, 87.9832



81.9361, 94.6696, 106.7040



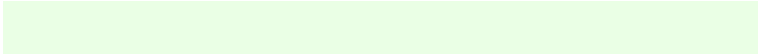
96.4200, 94.6696, 119.8099



98.5352, 94.6696, 99.5372

Sweetspot

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



83.8352, 94.6699, 87.9846



91.6057, 98.3639, 102.4371



89.5067, 95.1645, 87.7812



19.4148, 20.9624, 21.5654



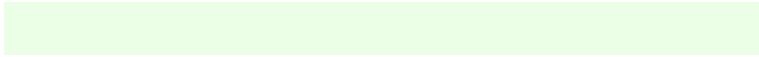
0.0000, 0.0000, 0.0000



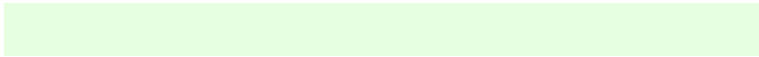
20.3446, 21.4041, 23.3091

Same Dimension

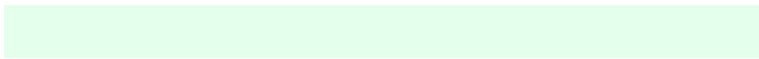
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.8352, 94.6699, 87.9846



81.9933, 93.7936, 84.5882



83.3307, 94.2811, 93.7747



18.0975, 20.3362, 19.1158



19.4403, 37.7599, 6.2638



1.9746, 3.7187, 0.6137

Inverse Universe

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



85.4944, 83.5838, 106.2350



83.9215, 80.9076, 105.8013



86.0793, 84.0274, 99.8401



18.4302, 18.1135, 22.7748



22.8482, 10.6892, 50.2936



2.3084, 1.0840, 4.9008

Previews

White Background



This preview shows how the XYZ color 83.8345, 94.6696, 87.9832 looks on a white background.

Color Contrast Check

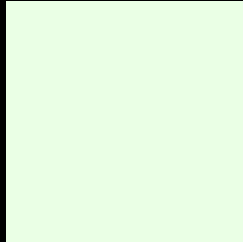
Large Text (above 18pt) WCAG AA × Fail

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 83.8345, 94.6696, 87.9832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

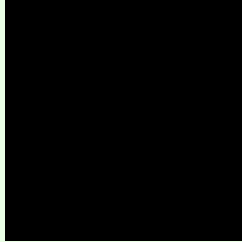
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

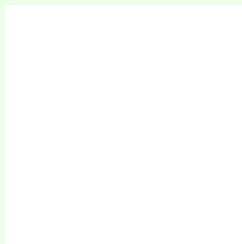
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.8345, 94.6696, 87.9832

Background



This preview shows how black text looks on a background with the XYZ color 83.8345, 94.6696, 87.9832.



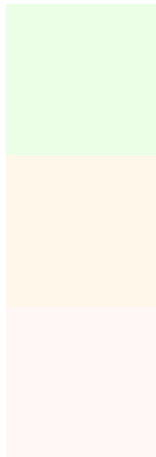
This preview shows how white text looks on a background with the XYZ color 83.8345, 94.6696,

87.9832.

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

83.8345, 94.6696, 87.9832

Protanopia

89.6587, 94.3353, 91.3249

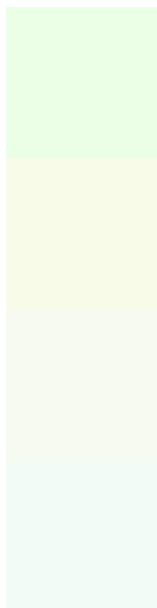
Deuteranopia

91.1353, 94.4353, 100.6133

Tritanopia

89.9317, 94.5642, 108.1205

Trichromacy



Original Color

83.8345, 94.6696, 87.9832

Protanomaly

87.4204, 94.5947, 89.9950

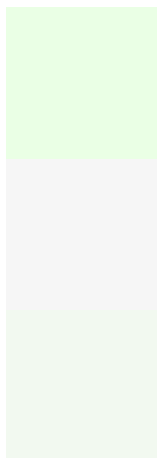
Deuteranomaly

88.2716, 94.4366, 96.0138

Tritanomaly

87.7497, 94.5254, 100.8091

Monochromacy



Original Color

83.8345, 94.6696, 87.9832

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

86.2218, 92.9199, 95.8290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.8345, 94.6696, 87.9832 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(234, 255, 229) looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 229)  
}
```

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(234, 255, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 229) }
```

Border

The CSS property to change the border of an element to XYZ 83.8345, 94.6696, 87.9832 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(234, 255, 229) }
```


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

```
.border{ border-color:rgb(234, 255, 229) }
```

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

Here you see how a box with a 4 pixel rgb(234, 255, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 229);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 83.8345, 94.6696, 87.9832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 255, 229) }
```

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

```
.background{ background-color: rgb(234,  
255, 229) }
```

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