

Converting Colors

XYZ(83.6176, 94.5512, 88.2657)

Have a look what the booklet for
XYZ(83.6176, 94.5512, 88.2657)
contains.

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Color

**XYZ(83.5071, 94.5008,
87.9679)**

Conversions

Conversions Part 1

Format	Color
Hex	E9FFE5
RGB	233, 255, 229
RGB Percent	91%, 100%, 90%
CMY	0.0863, 0.0000, 0.1020
CMYK	0.09, 0.00, 0.10, 0.00
HSL	111°, 100%, 95%
HSV	111°, 10%, 100%
XYZ	83.5071, 94.5008, 87.9679
YIQ	245.4580, -4.7660, -12.7500

Conversions

Conversions Part 2

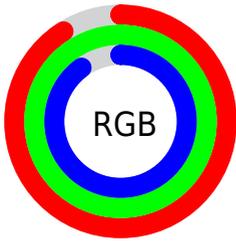
Format	Color
R_{YB}	229, 255, 251
Decimal	15335397
CIE _{Lab}	97.83, -11.78, 9.99
CIE _{LCh}	98, 15.443, 139.688
Yxy	94.5008, 0.3140, 0.3553
Android (android.graphics.Color)	4293525477 (0xFFE9FFE5)
YUV	245.4580, -8.1138, -10.9257
Hunter-Lab	97.2115, -16.7843, 14.3958

Details

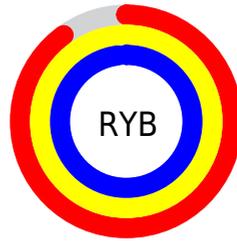
The XYZ color **83.5071, 94.5008, 87.9679** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **85.8537, 83.7690, 106.2518**, and the grayscale version is **87.2254, 91.7679, 99.9352**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.9655, 52.7913, 47.8115** is the 20% darker color. If you saturate the color by 10%, you get **73.5850, 89.7674, 70.2625**, and if you desaturate by 10%, it is **94.8150, 99.8881, 108.4709**.

Distribution



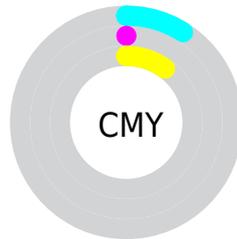
- Red (91%)
- Green (100%)
- Blue (90%)



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



- Cyan (9%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)



- Cyan (9%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.5071, 94.5008, 87.9679 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 83.5071, 94.5008, 87.9679 by changing the saturation by 10% instead.

 83.5071, 94.5008,
87.9679

 83.5071, 94.5008,
87.9679

495.2334,
542.5656, 541.7967

 62.9269, 71.7196,
65.7323

137.2103,
153.5748, 146.4232

 46.0405, 52.9296,
47.6000

171.0640,
190.6363, 183.4800

 32.4825, 37.7466,
33.1525

210.0730,
233.2267, 226.3143

 21.8877, 25.7861,
21.9712

254.6025,
281.7303, 275.3446

 13.8905, 16.6637,
13.6376

305.0179,
336.5317, 330.9894

 8.1258, 9.9950,
7.7332

361.6847,

 4.2280, 5.3956,

398.0151, 393.6673

3.8394

424.9680,
466.5649, 463.7969

■ 1.8319, 2.4812,
1.5377

■ 0.5368, 0.8672,
0.2457

■ 83.5071, 94.5008,
87.9679

■ 83.5071, 94.5008,
87.9679

■ 73.5850, 89.7674,
70.2625

94.8150, 99.8881,
108.4709

■ 64.9930, 85.6619,
55.2294

95.0500, 100.0000,
108.9000

■ 57.6746, 82.1579,
42.7400

■ 51.5684, 79.2270,
32.6537

■ 46.6079, 76.8381,
24.8160

■ 42.7200, 74.9573,
19.0545

■ 39.8229, 73.5467,
15.1718

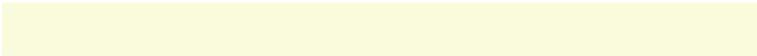
■ 37.8222, 72.5628,
12.9324

■ 36.6053, 71.9558,
11.9596

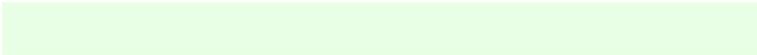
Harmonies

Analogous

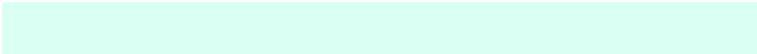
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9931, 94.5008, 81.6787



83.5071, 94.5008, 87.9679



81.7319, 94.5008, 98.6083

Triad

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



83.5071, 94.5008, 87.9679



88.3105, 94.5008, 128.6896



98.0444, 94.5008, 94.9274

Complementary

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



83.5071, 94.5008, 87.9679



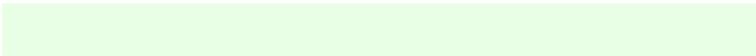
85.8537, 83.7690, 106.2518

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.



98.4252, 94.5008, 107.3048



83.5071, 94.5008, 87.9679



92.7078, 94.5008, 127.5005

Square

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



83.5071, 94.5008, 87.9679



84.4444, 94.5008, 122.5499



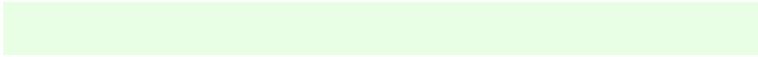
96.4437, 94.5008, 119.4225



95.4194, 94.5008, 85.4632

Rectangle

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



83.5071, 94.5008, 87.9679



81.7168, 94.5008, 107.0371



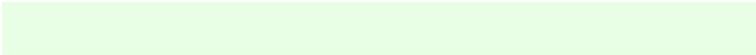
96.4437, 94.5008, 119.4225



98.4423, 94.5008, 98.8618

Sweetspot

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



83.5078, 94.5011, 87.9693



91.5010, 98.3099, 102.4322



89.7764, 95.7037, 87.8711



19.3866, 20.9479, 21.5641



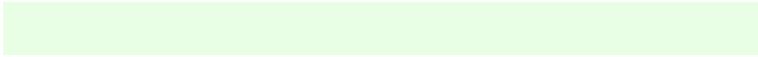
0.0000, 0.0000, 0.0000



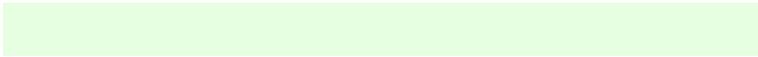
20.3446, 21.4041, 23.3091

Same Dimension

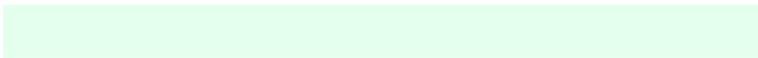
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5078, 94.5011, 87.9693



81.6162, 93.5992, 84.5706



83.4576, 94.3319, 94.4426



18.0316, 20.3022, 19.1127



19.2040, 37.6381, 6.2527



1.9421, 3.7019, 0.6122

Inverse Universe

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



85.8537, 83.7690, 106.2518



84.3426, 81.1247, 105.8210



85.9457, 83.9740, 99.1366



18.5020, 18.1505, 22.7782



24.2971, 11.4361, 50.3614



2.4366, 1.1500, 4.9068

Previews

White Background



This preview shows how the XYZ color 83.5071, 94.5008, 87.9679 looks on a white background.

Color Contrast Check

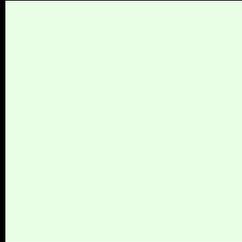
Large Text (above 18pt) WCAG AA × Fail

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 83.5071, 94.5008, 87.9679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

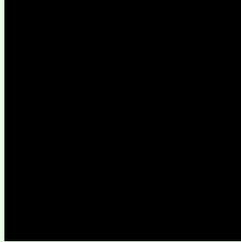
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.5071, 94.5008, 87.9679

Background



This preview shows how black text looks on a background with the XYZ color 83.5071, 94.5008, 87.9679.



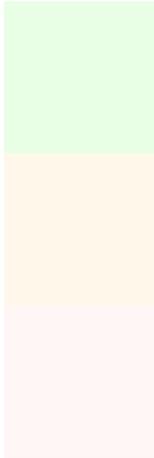
This preview shows how white text looks on a background with the XYZ color 83.5071, 94.5008,

87.9679.

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

83.5071, 94.5008, 87.9679

Protanopia

89.6587, 94.3353, 91.3249

Deuteranopia

90.9822, 94.3741, 99.8069

Tritanopia

89.9317, 94.5642, 108.1205

Trichromacy



Original Color

83.5071, 94.5008, 87.9679

Protanomaly

87.4204, 94.5947, 89.9950

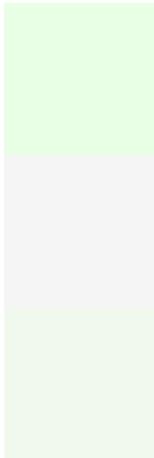
Deuteranomaly

88.1234, 94.3774, 95.2334

Tritanomaly

87.4074, 94.3490, 100.7931

Monochromacy



Original Color

83.5071, 94.5008, 87.9679

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

85.7313, 92.6841, 95.0327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.5071, 94.5008, 87.9679 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(233, 255, 229)` looks like.

```
.text, #text, p{  
    color:rgb(233, 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(233, 255, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 229) }
```

Border

The CSS property to change the border of an element to XYZ 83.5071, 94.5008, 87.9679 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(233, 255, 229) }
```


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

```
.border{ border-color:rgb(233, 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(233, 255, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 229);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 83.5071, 94.5008, 87.9679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 255, 229) }
```

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

```
.background{ background-color: rgb(233,  
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](#).

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