

Converting Colors

XYZ(83.7164, 94.6005, 88.3448)

Have a look what the booklet for
XYZ(83.7164, 94.6005, 88.3448)
contains.

XYZ(83.6472, 94.5568, 88.7055)	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(83.6472, 94.5568,
88.7055)**

Conversions

Conversions Part 1

Format	Color
Hex	E9FFE6
RGB	233, 255, 230
RGB Percent	91%, 100%, 90%
CMY	0.0863, 0.0000, 0.0980
CMYK	0.09, 0.00, 0.10, 0.00
HSL	113°, 100%, 95%
HSV	113°, 10%, 100%
XYZ	83.6472, 94.5568, 88.7055
YIQ	245.5720, -5.0870, -12.4390

Conversions

Conversions Part 2

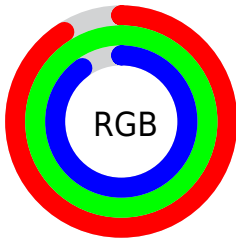
Format	Color
R_{YB}	230, 255, 252
Decimal	15335398
CIE _{Lab}	97.86, -11.61, 9.51
CIE _{LCh}	98, 15.004, 140.665
Yxy	94.5568, 0.3134, 0.3543
Android (android.graphics.Color)	4293525478 (0xFFE9FFE6)
YUV	245.5720, -7.6770, -11.0256
Hunter-Lab	97.2403, -16.6229, 13.9821

Details

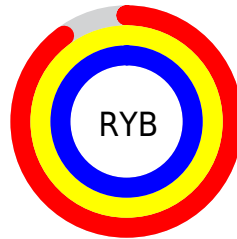
The XYZ color **83.6472, 94.5568, 88.7055** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.4924, 84.5102, 106.3612**, and the grayscale version is **87.3142, 91.8613, 100.0370**.

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 **73.4578, 89.6879, 70.8827**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

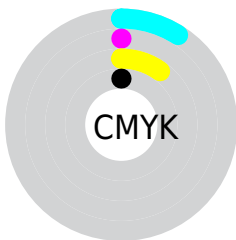
Distribution



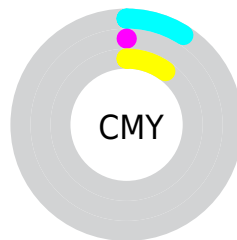
- Red (91%)
- Green (100%)
- Blue (90%)



- Red (90%)
- Yellow (100%)
- Blue (99%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.6472, 94.5568, 88.7055 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 83.6472, 94.5568, 88.7055 by changing the saturation by 10% instead.


 83.6472, 94.5568,
88.7055

 83.6472, 94.5568,
88.7055

495.6923,
542.7451, 544.2719

 63.0429, 71.7662,
66.3398


137.4054,
153.6522, 147.4587

 46.1347, 52.9677,
48.0901


171.2900,
190.7257, 184.6834

 32.5572, 37.7770,
33.5378


210.3321,
233.3289, 227.6981

 21.9451, 25.8096,
22.2642

254.8970,
281.8463, 276.9215

 13.9329, 16.6813,
13.8510

305.3501,
336.6622, 332.7720

 8.1554, 10.0075,
7.8796

362.0568,

 4.2472, 5.4039,

398.1611, 395.6682

3.9313

425.3824,
466.7273, 466.0287

■ 1.8429, 2.4862,
1.5877

■ 0.5433, 0.8697,
0.2820

■ 83.6472, 94.5568,
88.7055

■ 83.6472, 94.5568,
88.7055

■ 73.4578, 89.6879,
70.8827

95.0500, 100.0000,
108.9000

■ 64.6658, 85.4815,
55.7402

■ 57.2104, 81.9091,
43.1495

■ 51.0258, 78.9397,
32.9703

■ 46.0405, 76.5399,
25.0484

■ 42.1756, 74.6726,
19.2119

■ 39.3428, 73.2967,
15.2644

■ 37.4400, 72.3645,
12.9719

■ 36.3290, 71.8130,
11.9610

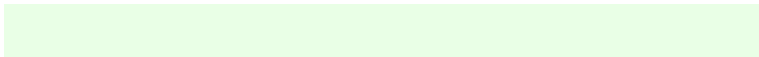
Harmonies

Analogous

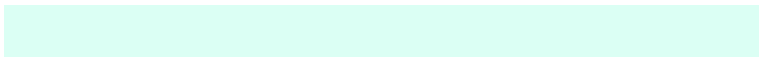
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9956, 94.5568, 82.4092



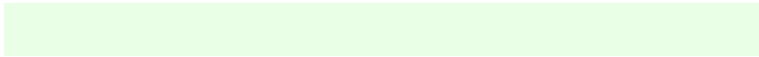
83.6472, 94.5568, 88.7055



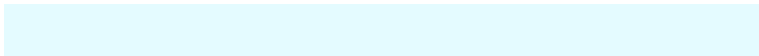
81.9822, 94.5568, 99.1742

Triad

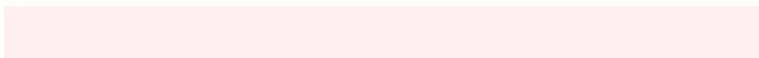
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6472, 94.5568, 88.7055



88.5429, 94.5568, 128.0529



97.8090, 94.5568, 94.8476

Complementary

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



83.6472, 94.5568, 88.7055



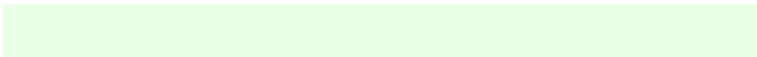
86.4924, 84.5102, 106.3612

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.



98.2554, 94.5568, 106.8333



83.6472, 94.5568, 88.7055



92.8140, 94.5568, 126.6628

Square

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



83.6472, 94.5568, 88.7055



84.7490, 94.5568, 122.3168



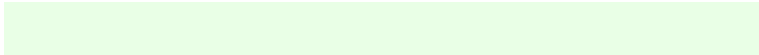
96.4011, 94.5568, 118.6570



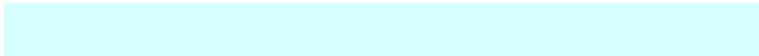
95.2003, 94.5568, 85.7547

Rectangle

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



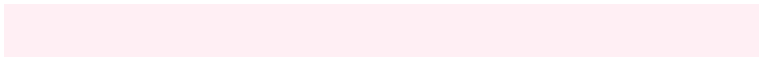
83.6472, 94.5568, 88.7055



82.0135, 94.5568, 107.3875



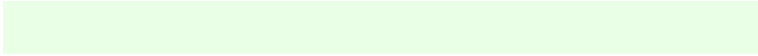
96.4011, 94.5568, 118.6570



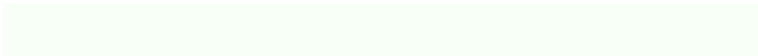
98.2201, 94.5568, 98.6487

Sweetspot

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



83.6480, 94.5572, 88.7070



91.4091, 98.2625, 102.4279



90.2291, 96.3851, 88.7129



19.3619, 20.9351, 21.5630



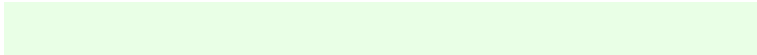
0.0000, 0.0000, 0.0000



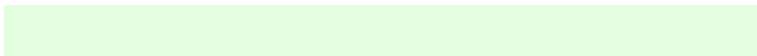
20.3446, 21.4041, 23.3091

Same Dimension

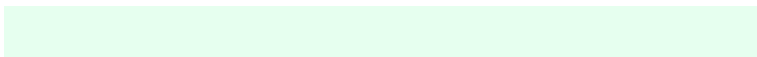
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6480, 94.5572, 88.7070



81.2866, 93.4293, 84.5552



83.9985, 94.5852, 95.6210



17.9740, 20.2725, 19.1100



19.0375, 37.5523, 6.2449



1.9151, 3.6880, 0.6109

Inverse Universe

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



86.4924, 84.5102, 106.3612



84.7153, 81.3168, 105.8385



86.1464, 84.4983, 98.8247



18.5655, 18.1832, 22.7812



25.6442, 12.1306, 50.4244



2.5548, 1.2110, 4.9124

Previews

White Background



This preview shows how the XYZ color 83.6472, 94.5568, 88.7055 looks on a white background.

Color Contrast Check

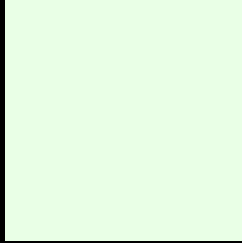
Large Text (above 18pt) WCAG AA × Fail

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 83.6472, 94.5568, 88.7055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

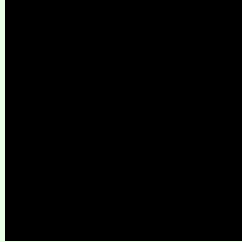
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

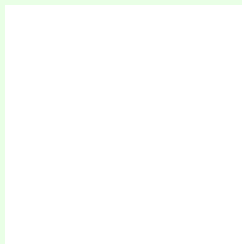
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.6472, 94.5568, 88.7055

Background



This preview shows how black text looks on a background with the XYZ color 83.6472, 94.5568, 88.7055.



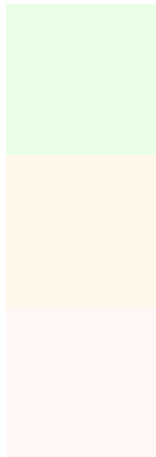
This preview shows how white text looks on a background with the XYZ color 83.6472, 94.5568,

88.7555.

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

83.6472, 94.5568, 88.7055

Protanopia

89.6587, 94.3353, 91.3249

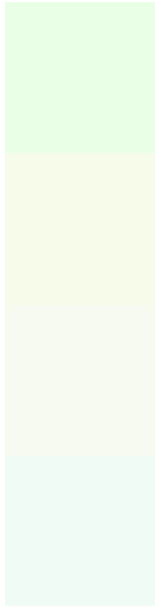
Deuteranopia

91.1353, 94.4353, 100.6133

Tritanopia

89.9317, 94.5642, 108.1205

Trichromacy



Original Color

83.6472, 94.5568, 88.7055

Protanomaly

87.5629, 94.6517, 90.7453

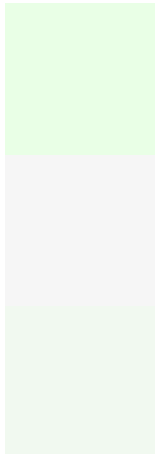
Deuteranomaly

88.2716, 94.4366, 96.0138

Tritanomaly

87.4074, 94.3490, 100.7931

Monochromacy



Original Color

83.6472, 94.5568, 88.7055

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

85.8795, 92.7434, 95.8130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.6472, 94.5568, 88.7055 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(233, 255, 230)  
}
```

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, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 230) }
```

Border

The CSS property to change the border of an element to XYZ 83.6472, 94.5568, 88.7055 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, 230) }
```


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

```
.border{ border-color:rgb(233, 255, 230) }
```

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, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 83.6472, 94.5568, 88.7055 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, 230) }
```

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

```
.background{ background-color: rgb(233,  
255, 230) }
```

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