

Converting Colors

XYZ(84.7170, 95.0749, 90.2674)

Have a look what the booklet for
XYZ(84.7170, 95.0749, 90.2674)
contains.

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Color

**XYZ(84.5864, 95.0084,
90.2242)**

Conversions

Conversions Part 1

Format	Color
Hex	EBFFE8
RGB	235, 255, 232
RGB Percent	92%, 100%, 91%
CMY	0.0784, 0.0000, 0.0902
CMYK	0.08, 0.00, 0.09, 0.00
HSL	112°, 100%, 95%
HSV	112°, 9%, 100%
XYZ	84.5864, 95.0084, 90.2242
YIQ	246.3980, -4.5370, -11.3930

Conversions

Conversions Part 2

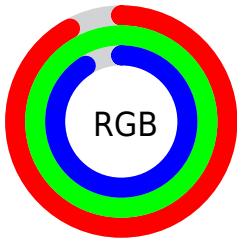
Format	Color
R_{YB}	232, 255, 252
Decimal	15466472
CIE _{Lab}	98.04, -10.60, 8.76
CIE _{LCh}	98, 13.752, 140.417
Yxy	95.0084, 0.3135, 0.3521
Android (android.graphics.Color)	4293656552 (0xFFEBFFE8)
YUV	246.3980, -7.0982, -9.9960
Hunter-Lab	97.4723, -15.6742, 13.3494

Details

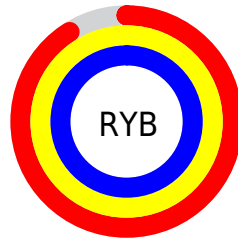
The XYZ color **84.5864, 95.0084, 90.2242** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.0523, 85.6299, 106.5478**, and the grayscale version is **87.9773, 92.5590, 100.7967**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.6210, 53.1065, 48.8677** is the 20% darker color. If you saturate the color by 10%, you get **74.3520, 90.1209, 72.1890**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

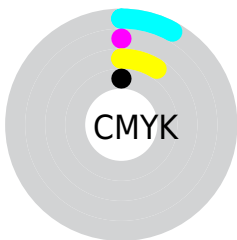
Distribution



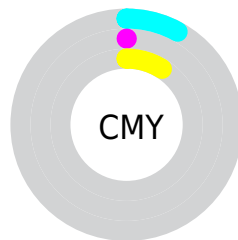
- Red (92%)
- Green (100%)
- Blue (91%)



- Red (91%)
- Yellow (100%)
- Blue (99%)



- Cyan (8%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (8%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.5864, 95.0084, 90.2242 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 84.5864, 95.0084, 90.2242 by changing the saturation by 10% instead.


 84.5864, 95.0084,
90.2242

 84.5864, 95.0084,
90.2242

498.7628,
544.1919, 549.3488

 63.8210, 72.1420,
67.5918


138.7122,
154.2762, 149.5880

 46.7669, 53.2747,
49.1011


172.8033,
191.4464, 187.1566

 33.0586, 38.0221,
34.3336


212.0671,
234.1532, 230.5409

 22.3308, 25.9998,
22.8705

256.8688,
282.7812, 280.1596

 14.2181, 16.8235,
14.2935

307.5739,
337.7146, 336.4312

 8.3552, 10.1087,
8.1840

364.5477,

 4.3768, 5.4711,

399.3380, 399.7743

4.1235

428.1555,
468.0356, 470.6073

■ 1.9174, 2.5262,
1.6933

■ 0.5869, 0.8897,
0.3562

■ 84.5864, 95.0084,
90.2242

■ 84.5864, 95.0084,
90.2242

■ 74.3520, 90.1209,
72.1890

95.0500, 100.0000,
108.9000

■ 65.4993, 85.8876,
56.8429

■ 57.9691, 82.2809,
44.0583

■ 51.6975, 79.2706,
33.6958

■ 46.6152, 76.8244,
25.6025

■ 42.6457, 74.9067,
19.6083

■ 39.7040, 73.4776,
15.5190

■ 37.6917, 72.4916,
13.1045

■ 36.4816, 71.8904,
12.0253

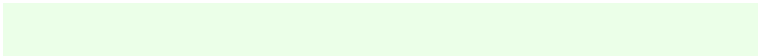
Harmonies

Analogous

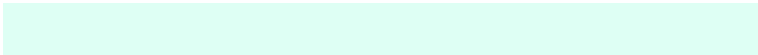
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6844, 95.0084, 84.4098



84.5864, 95.0084, 90.2242



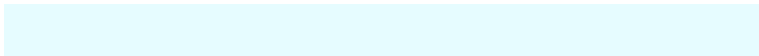
83.0335, 95.0084, 99.8764

Triad

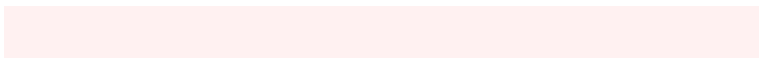
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.5864, 95.0084, 90.2242



89.0468, 95.0084, 126.3613



97.5935, 95.0084, 96.0590

Complementary

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



84.5864, 95.0084, 90.2242



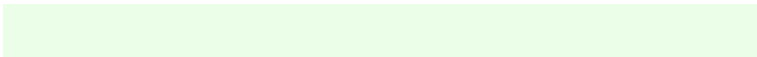
87.0523, 85.6299, 106.5478

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.



97.9841, 95.0084, 107.1038



84.5864, 95.0084, 90.2242



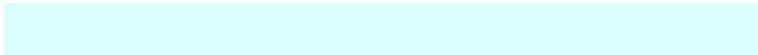
92.9725, 95.0084, 125.1531

Square

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



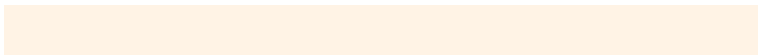
84.5864, 95.0084, 90.2242



85.5588, 95.0084, 121.0950



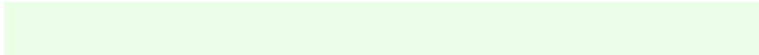
96.2708, 95.0084, 117.9046



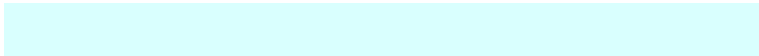
95.2186, 95.0084, 87.6046

Rectangle

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



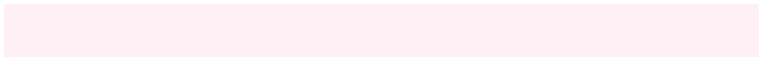
84.5864, 95.0084, 90.2242



83.0516, 95.0084, 107.4226



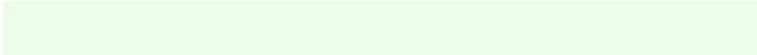
96.2708, 95.0084, 117.9046



97.9639, 95.0084, 99.5727

Sweetspot

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



84.5871, 95.0087, 90.2256



91.4374, 98.2771, 102.4292



90.5953, 96.6654, 90.2288



19.3695, 20.9391, 21.5633



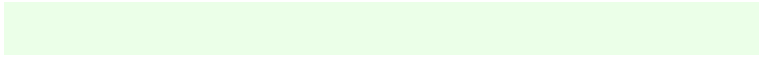
0.0000, 0.0000, 0.0000



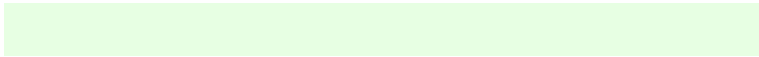
20.3446, 21.4041, 23.3091

Same Dimension

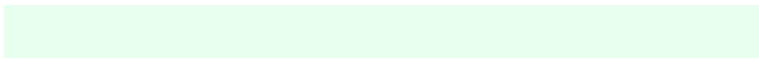
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5871, 95.0087, 90.2256



82.4469, 93.9871, 86.4328



84.8322, 94.9933, 96.6413



17.9917, 20.2816, 19.1108



19.0849, 37.5767, 6.2472



1.9234, 3.6923, 0.6113

Inverse Universe

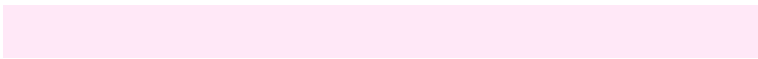
The Inverse Universe completely reimagines the original color for something new.



87.0523, 85.6299, 106.5478



85.4123, 82.7036, 106.0694



86.8189, 85.6630, 99.6048



18.5459, 18.1732, 22.7802



25.2220, 11.9129, 50.4047



2.5178, 1.1919, 4.9106

Previews

White Background



This preview shows how the XYZ color 84.5864, 95.0084, 90.2242 looks on a white background.

Color Contrast Check

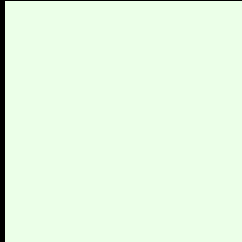
Large Text (above 18pt) WCAG AA × Fail

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 84.5864, 95.0084, 90.2242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

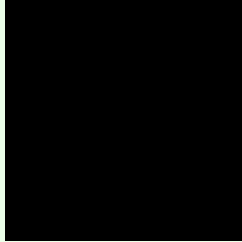
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

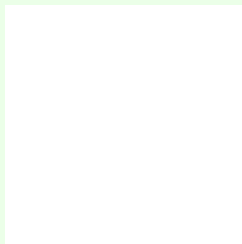
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.5864, 95.0084, 90.2242

Background



This preview shows how black text looks on a background with the XYZ color 84.5864, 95.0084, 90.2242.



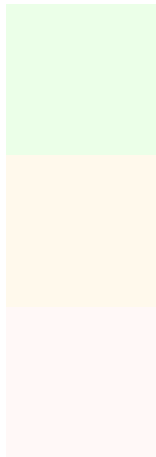
This preview shows how white text looks on a background with the XYZ color 84.5864, 95.0084,

90.2242.

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

84.5864, 95.0084, 90.2242

Protanopia

90.2560, 95.0675, 92.9497

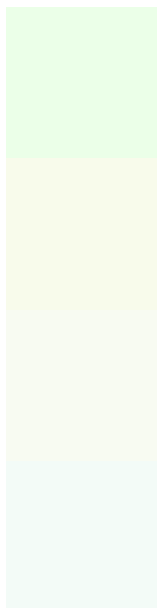
Deuteranopia

91.5959, 95.1102, 101.5262

Tritanopia

90.2835, 94.7455, 108.1370

Trichromacy



Original Color

84.5864, 95.0084, 90.2242

Protanomaly

88.2040, 94.9490, 92.2754

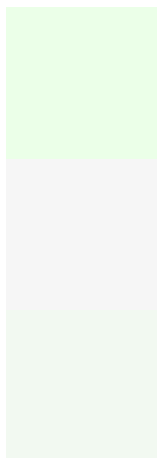
Deuteranomaly

89.2356, 95.3616, 97.7078

Tritanomaly

88.2478, 94.7644, 101.6359

Monochromacy



Original Color

84.5864, 95.0084, 90.2242

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

86.3708, 92.9795, 96.6137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.5864, 95.0084, 90.2242 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(235, 255, 232) looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 232)  
}
```

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(235, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 232) }
```

Border

The CSS property to change the border of an element to XYZ 84.5864, 95.0084, 90.2242 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(235, 255, 232) }
```


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

```
.border{ border-color:rgb(235, 255, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 255, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 84.5864, 95.0084, 90.2242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 232) }
```

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

```
.background{ background-color: rgb(235,  
255, 232) }
```

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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