

# Converting Colors

XYZ(85.3120, 95.1870, 99.0868)

Have a look what the booklet for  
XYZ(85.3120, 95.1870, 99.0868)  
contains.

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# Color

**XYZ(85.3678, 95.2075,  
99.4655)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8FFF4
RGB	232, 255, 244
RGB Percent	91%, 100%, 96%
CMY	0.0902, 0.0000, 0.0431
CMYK	0.09, 0.00, 0.04, 0.00
HSL	151°, 100%, 95%
HSV	151°, 9%, 100%
XYZ	85.3678, 95.2075, 99.4655
YIQ	246.8690, -10.1770, -8.2970

# Conversions

## Conversions Part 2

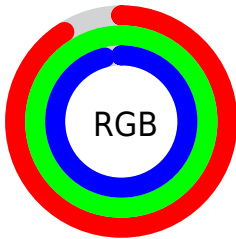
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 247, 255
Decimal	15269876
CIE Lab	98.12, -9.47, 2.69
CIE LCh	98, 9.841, 164.116
Yxy	95.2075, 0.3048, 0.3400
Android (android.graphics.Color)	4293459956 (0xFFE8FFF4)
YUV	246.8690, -1.4144, -13.0401
Hunter-Lab	97.5743, -14.5854, 7.8629

# Details

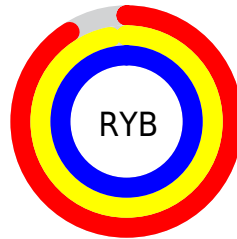
The XYZ color **85.3678, 95.2075, 99.4655** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.2747, 85.4451, 96.7391**, and the grayscale version is **88.3182, 92.9176, 101.1873**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.1757, 53.2491, 55.3686** is the 20% darker color. If you saturate the color by 10%, you get **75.8912, 90.5290, 89.6746**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

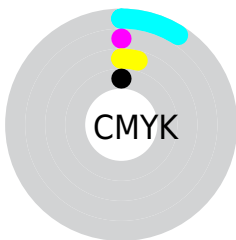
# Distribution



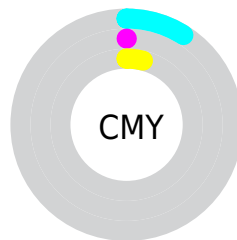
- Red (91%)
- Green (100%)
- Blue (96%)



- Red (91%)
- Yellow (97%)
- Blue (100%)



- Cyan (9%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (9%)
- Magenta (0%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.3678, 95.2075, 99.4655 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 85.3678, 95.2075, 99.4655 by changing the saturation by 10% instead.




 85.3678, 95.2075,  
99.4655

 85.3678, 95.2075,  
99.4655


501.3097,  
544.8291, 579.7097

 64.4688, 72.3077,  
75.2398


139.7983,  
154.5512, 162.4679

 47.2936, 53.4101,  
55.3065


174.0606,  
191.7640, 202.0818

 33.4767, 38.1302,  
39.2469


213.5080,  
234.5164, 247.6621

 22.6529, 26.0838,  
26.6425

258.5059,  
283.1931, 299.6274

 14.4567, 16.8863,  
17.0749

309.4197,  
338.1783, 358.3963

 8.5228, 10.1535,  
10.1254

366.6146,

 4.4859, 5.5008,

399.8564, 424.3873

5.3755

430.4562,  
468.6119, 498.0189

■ 1.9805, 2.5440,  
2.4066

■ 0.6230, 0.8986,  
0.7901

■ 85.3678, 95.2075,  
99.4655

■ 85.3678, 95.2075,  
99.4655

■ 75.8912, 90.5290,  
89.6746

95.0500, 100.0000,  
108.9000

■ 67.6835, 86.4908,  
80.5689

■ 60.6878, 83.0638,  
72.1346

■ 54.8419, 80.2162,  
64.3556

■ 50.0777, 77.9133,  
57.2155

■ 46.3196, 76.1163,  
50.6966

■ 43.4816, 74.7813,  
44.7804

■ 41.4621, 73.8562,  
39.4471

■ 40.1120, 73.2644,  
34.6740

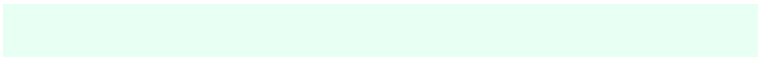
# Harmonies

## Analogous

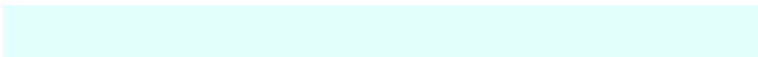
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7635, 95.2075, 92.8936



85.3678, 95.2075, 99.4655



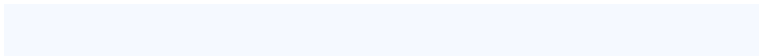
85.3261, 95.2075, 107.5048

# Triad

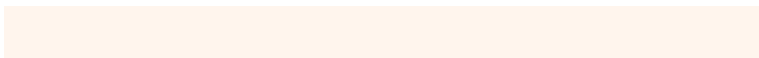
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.3678, 95.2075, 99.4655



91.8230, 95.2075, 119.4936



94.4475, 95.2075, 93.2094

# Complementary

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



85.3678, 95.2075, 99.4655



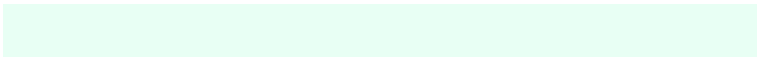
86.2747, 85.4451, 96.7391

# 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.



95.8621, 95.2075, 99.9173



85.3678, 95.2075, 99.4655



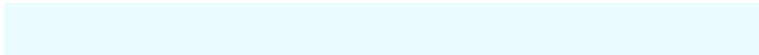
94.3256, 95.2075, 115.2380

# Square

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



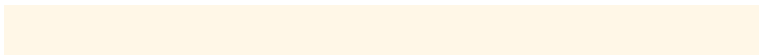
85.3678, 95.2075, 99.4655



89.0135, 95.2075, 119.3571



95.8170, 95.2075, 107.9806

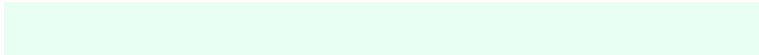


91.9866, 95.2075, 89.4120

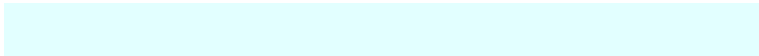


# Rectangle

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



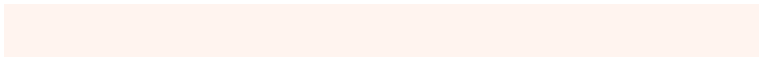
85.3678, 95.2075, 99.4655



86.0693, 95.2075, 112.6361



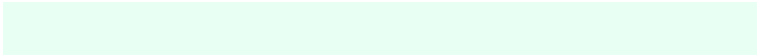
95.8170, 95.2075, 107.9806



95.0634, 95.2075, 95.1830

# Sweetspot

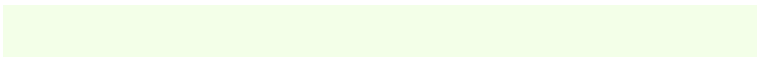
The Sweet Spot groups the original color and five complimentary colors.



85.3686, 95.2078, 99.4670



91.7078, 98.3445, 105.6983



87.3284, 96.4219, 90.3536



19.4425, 20.9573, 22.4429



0.0000, 0.0000, 0.0000

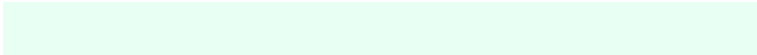


20.3446, 21.4041, 23.3091

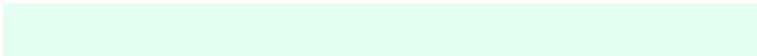


# Same Dimension

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



85.3686, 95.2078, 99.4670



83.3877, 94.2287, 97.4719



86.9670, 95.6517, 108.4867



18.1675, 20.3265, 21.1848



20.9756, 38.2868, 18.2885



2.0976, 3.7499, 2.0716



# Inverse Universe

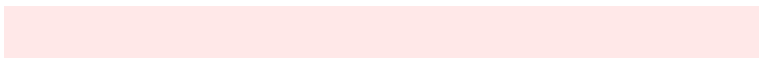
The Inverse Universe completely reimagines the original color for something new.



86.2747, 85.4451, 96.7391



84.4777, 82.4837, 94.1902



84.7708, 85.0164, 88.2870



18.3711, 18.1318, 20.5716



23.4569, 11.8721, 11.0566

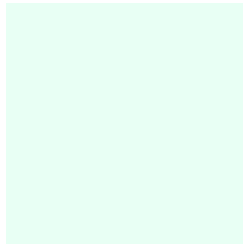


2.3387, 1.1779, 1.3652



# Previews

## White Background



This preview shows how the XYZ color 85.3678, 95.2075, 99.4655 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

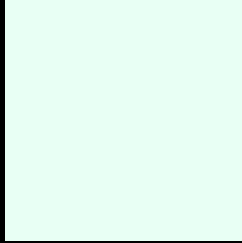
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.3678, 95.2075, 99.4655 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

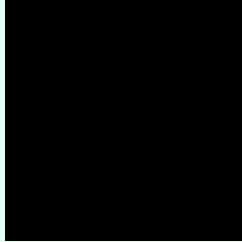
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

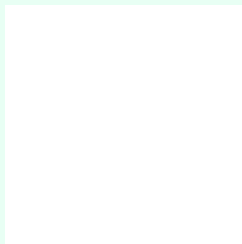
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 85.3678, 95.2075, 99.4655**

## **Background**



This preview shows how black text looks on a background with the XYZ color 85.3678, 95.2075, 99.4655.



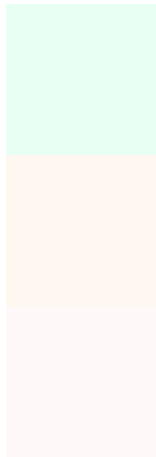
This preview shows how white text looks on a background with the XYZ color 85.3678, 95.2075,

99.4655.

# 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

85.3678, 95.2075, 99.4655

### Protanopia

90.6846, 94.7457, 96.7272

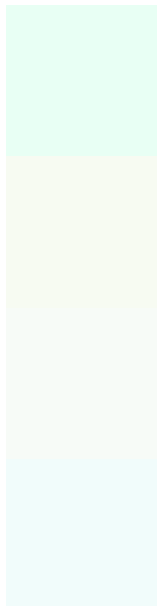
### Deuteranopia

91.9063, 95.2344, 103.1606

## **Tritanopia**

90.2416, 95.1840, 108.2239

# Trichromacy



## Original Color

85.3678, 95.2075, 99.4655

## Protanomaly

88.8820, 95.1793, 97.6913

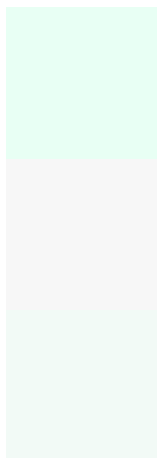
## Deuteranomaly

89.6435, 95.4839, 101.7012

## Tritanomaly

88.4986, 95.2866, 104.9946

# Monochromacy



## Original Color

85.3678, 95.2075, 99.4655

## Achromatopsia

88.4070, 93.0111, 101.2891

## Achromatomaly

87.4381, 93.9023, 100.7052

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.3678, 95.2075, 99.4655 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(232, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(232, 255, 244)  
}
```

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(232, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 255, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 85.3678, 95.2075, 99.4655 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(232, 255, 244) }
```



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

```
.border{ border-color:rgb(232, 255, 244) }
```

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

Here you see how a box with a 4 pixel rgb(232, 255, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(232, 255,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.3678, 95.2075, 99.4655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 255, 244) }
```

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

```
.background{ background-color: rgb(232,  
255, 244) }
```

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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