

# Converting Colors

XYZ(85.6739, 95.3318,  
100.9892)

Have a look what the booklet for  
XYZ(85.6739, 95.3318, 100.9892)  
contains.

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# Color

**XYZ(85.6733, 95.3296,  
101.0738)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8FFF6
RGB	232, 255, 246
RGB Percent	91%, 100%, 96%
CMY	0.0902, 0.0000, 0.0353
CMYK	0.09, 0.00, 0.04, 0.00
HSL	157°, 100%, 95%
HSV	157°, 9%, 100%
XYZ	85.6733, 95.3296, 101.0738
YIQ	247.0970, -10.8190, -7.6750

# Conversions

## Conversions Part 2

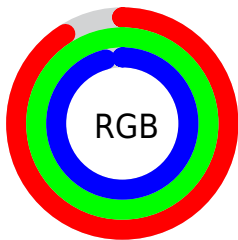
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 246, 255
Decimal	15269878
CIE Lab	98.17, -9.10, 1.74
CIE LCh	98, 9.265, 169.193
Yxy	95.3296, 0.3037, 0.3380
Android (android.graphics.Color)	4293459958 (0xFFE8FFF6)
YUV	247.0970, -0.5408, -13.2401
Hunter-Lab	97.6369, -14.2364, 6.9687

# Details

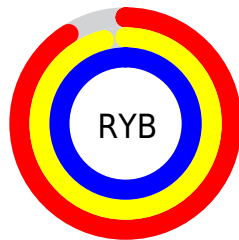
The XYZ color **85.6733, 95.3296, 101.0738** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.9744, 85.3253, 95.1573**, and the grayscale version is **88.4971, 93.1059, 101.3923**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.3928, 53.3360, 56.5122** is the 20% darker color. If you saturate the color by 10%, you get **76.4971, 90.7714, 92.8646**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

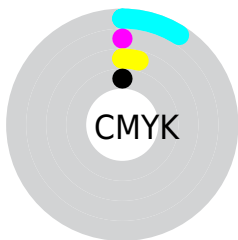
# Distribution



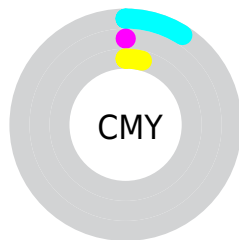
- Red (91%)
- Green (100%)
- Blue (96%)



- Red (91%)
- Yellow (96%)
- 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 85.6733, 95.3296, 101.0738 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 85.6733, 95.3296, 101.0738 by changing the saturation by 10% instead.




 85.6733, 95.3296,  
101.0738

 85.6733, 95.3296,  
101.0738


502.3035,  
545.2196, 584.9060

 64.7222, 72.4093,  
76.5757


140.2227,  
154.7199, 164.6968

 47.4997, 53.4931,  
56.3953

174.5517,  
191.9587, 204.6588

 33.6405, 38.1966,  
40.1138


214.0707,  
234.7391, 250.6125

 22.7791, 26.1353,  
27.3128

259.1451,  
283.4456, 302.9765

 14.5503, 16.9249,  
17.5738

310.1402,  
338.4625, 362.1693

 8.5886, 10.1809,  
10.4782

367.4214,

 4.5288, 5.5191,

400.1742, 428.6095

5.6074

431.3541,  
468.9651, 502.7155

■ 2.0054, 2.5549,  
2.5430

■ 0.6370, 0.9041,  
0.8628

■ 85.6733, 95.3296,  
101.0738

■ 85.6733, 95.3296,  
101.0738

■ 76.4971, 90.7714,  
92.8646

95.0500, 100.0000,  
108.9000

■ 68.5506, 86.8376,  
85.1342

■ 61.7779, 83.4999,  
77.8747

■ 56.1182, 80.7268,  
71.0762

■ 51.5044, 78.4840,  
64.7284

■ 47.8624, 76.7335,  
58.8205

■ 45.1073, 75.4316,  
53.3409

■ 43.1389, 74.5269,  
48.2770

■ 41.8097, 73.9435,  
43.6139

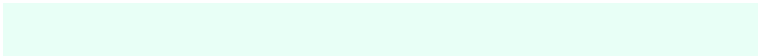
# Harmonies

## Analogous

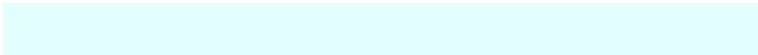
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7891, 95.3296, 94.5109



85.6733, 95.3296, 101.0738



85.8600, 95.3296, 108.6912

# Triad

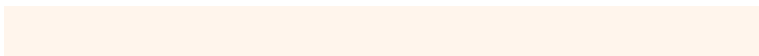
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.6733, 95.3296, 101.0738



92.3009, 95.3296, 118.2644



93.9938, 95.3296, 93.0942

# Complementary

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



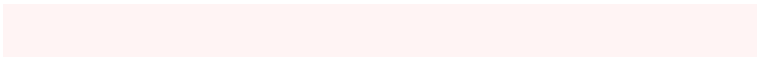
85.6733, 95.3296, 101.0738



85.9744, 85.3253, 95.1573

# 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.



95.5277, 95.3296, 99.0533



85.6733, 95.3296, 101.0738



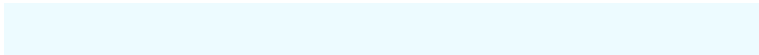
94.5371, 95.3296, 113.6738

# Square

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



85.6733, 95.3296, 101.0738



89.6517, 95.3296, 118.8706



95.7285, 95.3296, 106.5702



91.5709, 95.3296, 90.0561



# Rectangle

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



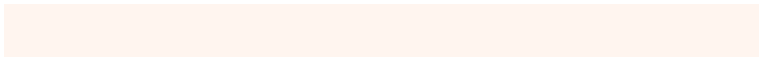
85.6733, 95.3296, 101.0738



86.6991, 95.3296, 113.3383



95.7285, 95.3296, 106.5702



94.6325, 95.3296, 94.8082

# Sweetspot

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



85.6742, 95.3301, 101.0753



91.8131, 98.3866, 106.2526



86.6701, 96.0825, 90.3232



19.4709, 20.9687, 22.5926



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

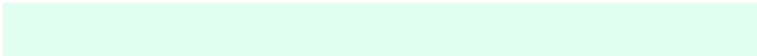


# Same Dimension

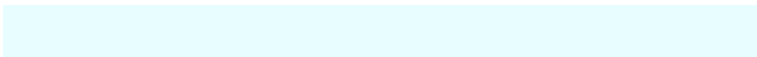
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.6742, 95.3301, 101.0753



83.7557, 94.3759, 99.4100



86.3601, 94.4376, 108.2844



18.2361, 20.3540, 21.5465



21.8624, 38.6415, 22.9583



2.1824, 3.7839, 2.5181



# Inverse Universe

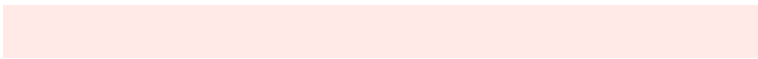
The Inverse Universe completely reimagines the original color for something new.



85.9744, 85.3253, 95.1573



84.1170, 82.3394, 92.2907



85.3146, 86.1040, 88.4686



18.3036, 18.1048, 20.2161



22.8129, 11.6145, 7.6652



2.2730, 1.1516, 1.0189



# Previews

## White Background



This preview shows how the XYZ color 85.6733, 95.3296, 101.0738 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

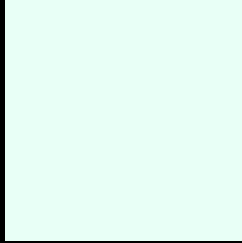
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.6733, 95.3296, 101.0738 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

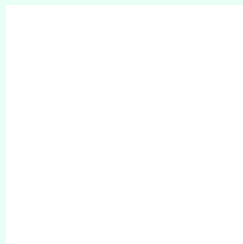
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 85.6733, 95.3296, 101.0738

## Background



This preview shows how black text looks on a background with the XYZ color 85.6733, 95.3296, 101.0738.



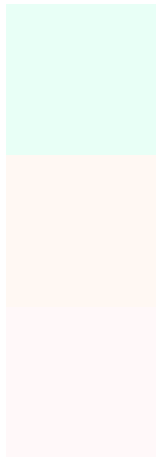
This preview shows how white text looks on a background with the XYZ color 85.6733, 95.3296,

101.0738.

# 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

85.6733, 95.3296, 101.0738

### Protanopia

90.9851, 94.8659, 98.3095

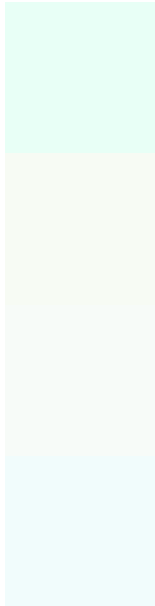
### Deuteranopia

91.9063, 95.2344, 103.1606

## **Tritanopia**

90.2416, 95.1840, 108.2239

# Trichromacy



## Original Color

85.6733, 95.3296, 101.0738

## Protanomaly

89.1841, 95.3002, 99.2822

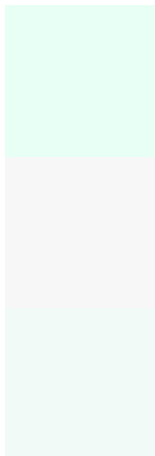
## Deuteranomaly

89.7982, 95.5458, 102.5163

## Tritanomaly

88.6567, 95.3499, 105.8271

# Monochromacy



## Original Color

85.6733, 95.3296, 101.0738

## Achromatopsia

88.4070, 93.0111, 101.2891

## Achromatomaly

87.5921, 93.9639, 101.5159

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.6733, 95.3296, 101.0738 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, 246)` looks like.

```
.text, #text, p{  
    color:rgb(232, 255, 246)  
}
```

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, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 255, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 85.6733, 95.3296, 101.0738 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, 246) }
```



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

```
.border{ border-color:rgb(232, 255, 246) }
```

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, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(232, 255,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.6733, 95.3296, 101.0738 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, 246) }
```

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

```
.background{ background-color: rgb(232,  
255, 246) }
```

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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