

# Converting Colors

XYZ(87.1055, 96.0986, 99.7597)

Have a look what the booklet for  
XYZ(87.1055, 96.0986, 99.7597)  
contains.

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# Color

**XYZ(87.0142, 96.0562,  
99.5425)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDFFF4
RGB	237, 255, 244
RGB Percent	93%, 100%, 96%
CMY	0.0706, 0.0000, 0.0431
CMYK	0.07, 0.00, 0.04, 0.00
HSL	143°, 100%, 96%
HSV	143°, 7%, 100%
XYZ	87.0142, 96.0562, 99.5425
YIQ	248.3640, -7.1970, -7.2370

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	237, 250, 255
Decimal	15597556
CIE Lab	98.45, -7.84, 3.23
CIE LCh	98, 8.479, 157.635
Yxy	96.0562, 0.3079, 0.3399
Android (android.graphics.Color)	4293787636 (0xFFEDFFF4)
YUV	248.3640, -2.1515, -9.9662
Hunter-Lab	98.0083, -13.0377, 8.3877

# Details

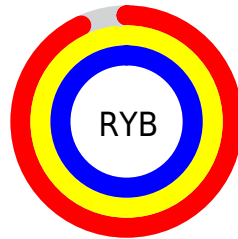
The XYZ color 87.0142, 96.0562, 99.5425 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.4680, 88.6067, 101.2469, and the grayscale version is 89.5417, 94.2049, 102.5891.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 48.3272, 53.8428, 55.4225 is the 20% darker color. If you saturate the color by 10%, you get 76.8299, 91.0679, 87.2330, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

# Distribution



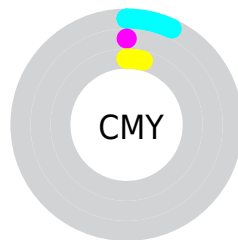
- Red (93%)
- Green (100%)
- Blue (96%)



- Red (93%)
- Yellow (98%)
- Blue (100%)



- Cyan (7%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)



- Cyan (7%)
- Magenta (0%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.0142, 96.0562, 99.5425 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 87.0142, 96.0562, 99.5425 by changing the saturation by 10% instead.



87.0142, 96.0562,  
99.5425

87.0142, 96.0562,  
99.5425

506.6534,  
547.5408, 579.9590

65.8350, 73.0144,  
75.3038

142.0835,  
155.7230, 162.5747

48.4057, 53.9877,  
55.3585

176.7043,  
193.1167, 202.2053

34.3609, 38.5918,  
39.2883

216.5364,  
236.0632, 247.8035

23.3352, 26.4423,  
26.6745

261.9452,  
284.9468, 299.7880

14.9632, 17.1549,  
17.0987

313.2959,  
340.1520, 358.5773

8.8797, 10.3450,  
10.1422

370.9539,

4.7193, 5.6283,

402.0631, 424.5898

5.3865

435.2846,  
471.0646, 498.2442

■ 2.1166, 2.6204,  
2.4131

■ 0.6982, 0.9369,  
0.7936

■ 87.0142, 96.0562,  
99.5425

■ 87.0142, 96.0562,  
99.5425

■ 76.8299, 91.0679,  
87.2330

95.0500, 100.0000,  
108.9000

■ 67.9997, 86.7552,  
76.0040

■ 60.4650, 83.0883,  
65.8275

■ 54.1617, 80.0349,  
56.6725

■ 49.0198, 77.5596,  
48.5068

■ 44.9624, 75.6233,  
41.2962

■ 41.9022, 74.1818,  
35.0044

■ 39.7377, 73.1835,  
29.5926

■ 38.3405, 72.5630,  
25.0186

# Harmonies

## Analogous

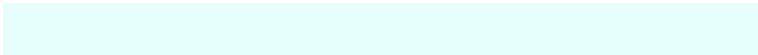
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.4542, 96.0562, 94.2719



87.0142, 96.0562, 99.5425



86.7120, 96.0562, 106.3902

# Triad

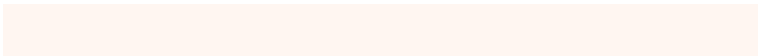
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.0142, 96.0562, 99.5425



91.9253, 96.0562, 118.5277



95.0773, 96.0562, 96.5710

# Complementary

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



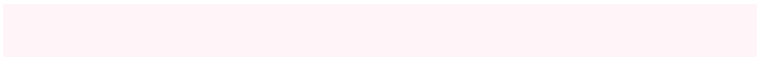
87.0142, 96.0562, 99.5425



88.4680, 88.6067, 101.2469

# 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.



96.0440, 96.0562, 102.8080



87.0142, 96.0562, 99.5425



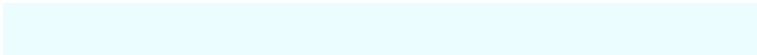
94.2032, 96.0562, 115.6323

# Square

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



87.0142, 96.0562, 99.5425



89.5191, 96.0562, 117.5579



95.7212, 96.0562, 109.8030



93.1014, 96.0562, 92.6106



# Rectangle

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



87.0142, 96.0562, 99.5425



87.1914, 96.0562, 110.9673



95.7212, 96.0562, 109.8030



95.5326, 96.0562, 98.4597

# Sweetspot

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



87.0150, 96.0566, 99.5440



92.7007, 98.8464, 106.1921



89.7934, 97.6094, 94.2300



19.8664, 21.1693, 22.7580



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.



87.0150, 96.0566, 99.5440



85.9964, 95.5571, 98.3375



88.3994, 96.6103, 106.8337



18.0640, 20.2851, 20.6402



19.9343, 37.8703, 12.8055



1.9926, 3.7080, 1.5188



# Inverse Universe

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



88.4680, 88.6067, 101.2469



87.6326, 87.1673, 100.2552



87.1197, 88.0674, 94.1470



18.4758, 18.1736, 21.1227



24.7519, 12.3900, 17.8756

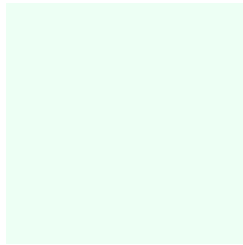


2.4636, 1.2278, 2.0228



# Previews

## White Background



This preview shows how the XYZ color 87.0142, 96.0562, 99.5425 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

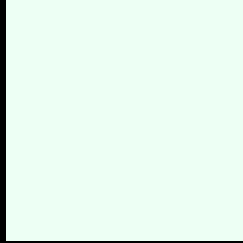
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.0142, 96.0562, 99.5425 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

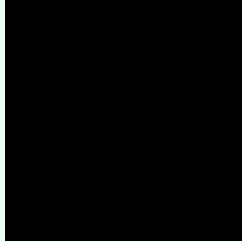
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

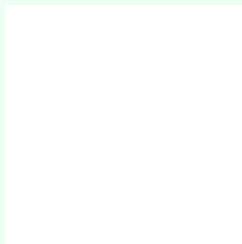
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 87.0142, 96.0562, 99.5425

## Background



This preview shows how black text looks on a background with the XYZ color 87.0142, 96.0562, 99.5425.



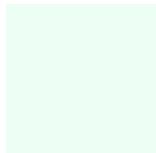
This preview shows how white text looks on a background with the XYZ color 87.0142, 96.0562,

99.5425.

# Color Blindness Simulation

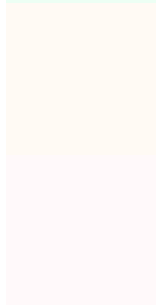
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

87.0142, 96.0562, 99.5425



### Protanopia

91.7547, 96.1629, 99.3132

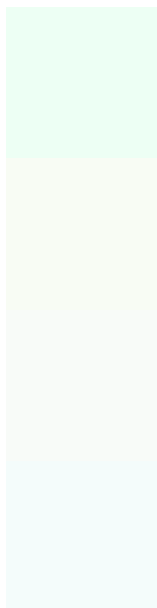
### Deuteranopia

92.3710, 95.9135, 104.0872

## **Tritanopia**

90.9470, 95.5477, 108.2569

# Trichromacy



## Original Color

87.0142, 96.0562, 99.5425

## Protanomaly

89.8509, 96.1089, 99.4032

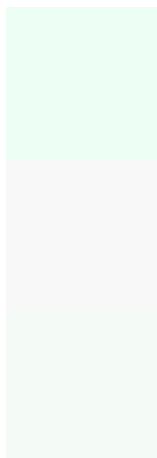
## Deuteranomaly

90.1519, 95.7281, 102.5328

## Tritanomaly

89.5312, 95.8189, 105.0429

# Monochromacy



## Original Color

87.0142, 96.0562, 99.5425

## Achromatopsia

89.2221, 93.8686, 102.2229

## Achromatomaly

88.5939, 94.9429, 101.6521

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.0142, 96.0562, 99.5425 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(237, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(237, 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(237, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 87.0142, 96.0562, 99.5425 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(237, 255, 244) }
```



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

```
.border{ border-color:rgb(237, 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(237, 255, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(237, 255,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.0142, 96.0562, 99.5425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 255, 244) }
```

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

```
.background{ background-color: rgb(237,  
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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