

Converting Colors

XYZ(87.0930, 96.0935, 99.6960)

Have a look what the booklet for
XYZ(87.0930, 96.0935, 99.6960)
contains.

XYZ(87.0142, 96.0562, 99.5425)	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(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

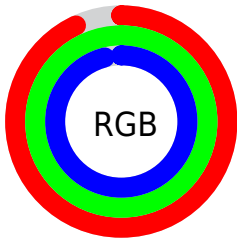
Format	Color
R _Y B	237, 250, 255
Decimal	15597556
CIE Lab	98.45, -7.84, 3.23
CIE LCh	98, 8.479, 157.635
Yxy	96.0562, 0.3079, 0.3399
Android (android.graphics.Color)	4293787636 (0xFFEDFFF4)
YUV	248.3640, -2.1515, -9.9662
Hunter-Lab	98.0083, -13.0377, 8.3877

Details

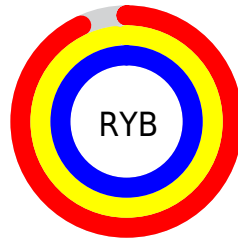
The XYZ color **87.0142, 96.0562, 99.5425** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **88.4680, 88.6067, 101.2469**, and the grayscale version is **89.5417, 94.2049, 102.5891**.

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**.

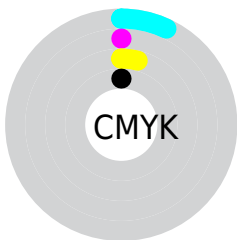
Distribution



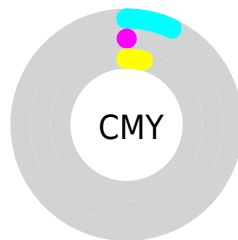
- Red (93%)
- Green (100%)
- Blue (96%)



- 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



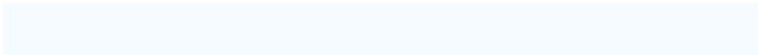
86.7120, 96.0562, 106.3902

Triad

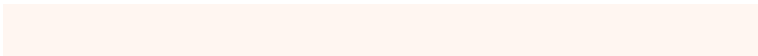
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



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.



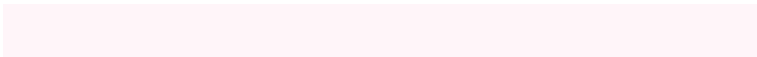
87.0142, 96.0562, 99.5425



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



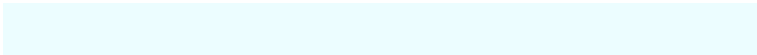
94.2032, 96.0562, 115.6323

Square

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



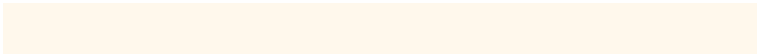
87.0142, 96.0562, 99.5425



89.5191, 96.0562, 117.5579



95.7212, 96.0562, 109.8030



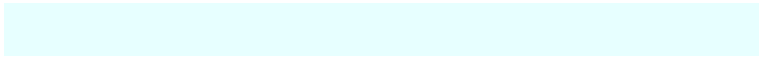
93.1014, 96.0562, 92.6106

Rectangle

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



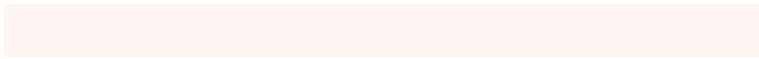
87.0142, 96.0562, 99.5425



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

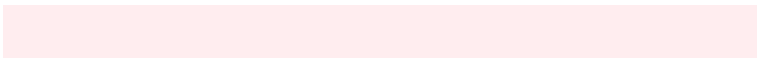
The Inverse Universe completely reimagines the original color for something new.



88.4680, 88.6067, 101.2469



87.6326, 87.1673, 100.2552



87.1197, 88.0674, 94.1470



18.4758, 18.1736, 21.1227



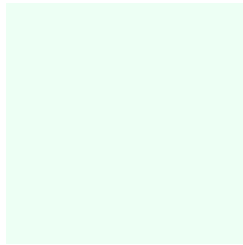
24.7519, 12.3900, 17.8756



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

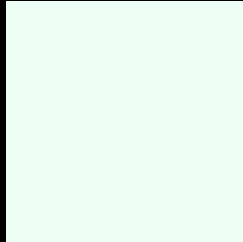
Large Text (above 18pt) WCAG AA × Fail

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

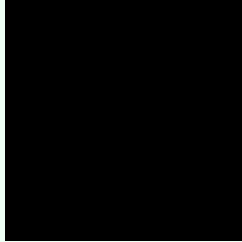
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

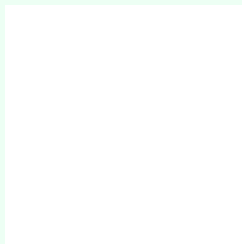
If you want to check with other color combinations, try the [Color Contrast Checker](#).

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.



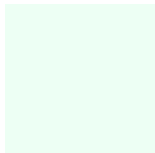
This preview shows how white text looks on a background with the XYZ color 87.0142, 96.0562,

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

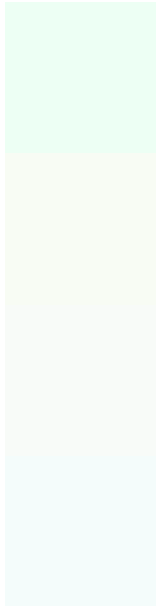
Deuteranopia

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

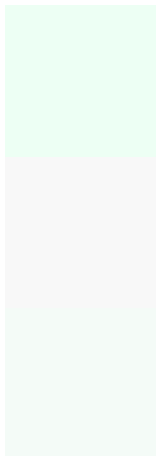
Deuteranomaly

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](#).

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