

Converting Colors

XYZ(89.1517, 100.0000,
102.7427)

Have a look what the booklet for
XYZ(89.1517, 100.0000, 102.7427)
contains.

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Color

**XYZ(87.1406, 96.0683,
101.9459)**

Conversions

Conversions Part 1

Format	Color
Hex	ECFFF7
RGB	236, 255, 247
RGB Percent	93%, 100%, 97%
CMY	0.0745, 0.0000, 0.0314
CMYK	0.07, 0.00, 0.03, 0.00
HSL	155°, 100%, 96%
HSV	155°, 7%, 100%
XYZ	87.1406, 96.0683, 101.9459
YIQ	248.4070, -8.7560, -6.5160

Conversions

Conversions Part 2

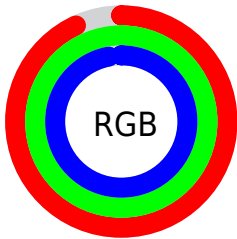
Format	Color
R _Y B	236, 248, 255
Decimal	15532023
CIE Lab	98.46, -7.63, 1.68
CIE LCh	98, 7.810, 167.543
Yxy	96.0683, 0.3056, 0.3369
Android (android.graphics.Color)	4293722103 (0xFFE0FFF7)
YUV	248.4070, -0.6937, -10.8809
Hunter-Lab	98.0144, -12.8283, 6.9419

Details

The XYZ color **87.1406, 96.0683, 101.9459** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.5651, 87.7836, 97.9168**, and the grayscale version is **89.5663, 94.2307, 102.6173**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.4204, 53.8531, 57.1329** is the 20% darker color. If you saturate the color by 10%, you get **77.6605, 91.3670, 93.1023**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

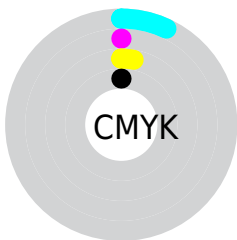
Distribution



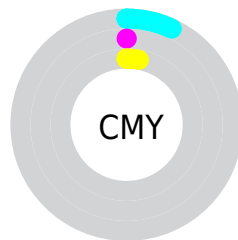
- Red (93%)
- Green (100%)
- Blue (97%)



- Red (93%)
- Yellow (97%)
- Blue (100%)



- Cyan (7%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.1406, 96.0683, 101.9459 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 87.1406, 96.0683, 101.9459 by changing the saturation by 10% instead.


 87.1406, 96.0683,
101.9459

 87.1406, 96.0683,
101.9459

507.0624,
547.5794, 587.7134

 65.9400, 73.0244,
77.3007


142.2588,
155.7397, 165.9039

 48.4912, 53.9960,
56.9867


176.9070,
193.1360, 206.0537

 34.4289, 38.5984,
40.5853


216.7685,
236.0852, 252.2089

 23.3877, 26.4475,
27.6779

262.2086,
284.9718, 304.7880

 15.0023, 17.1587,
17.8461

313.5927,
340.1801, 364.2094

 8.9074, 10.3477,
10.6712

371.2862,

 4.7374, 5.6301,

402.0946, 430.8918

5.7348

435.6542,
471.0995, 505.2536

■ 2.1272, 2.6215,
2.6184

■ 0.7039, 0.9375,
0.9019

■ 87.1406, 96.0683,
101.9459

■ 87.1406, 96.0683,
101.9459

■ 77.6605, 91.3670,
93.1023

95.0500, 100.0000,
108.9000

■ 69.4312, 87.2998,
84.8055

■ 62.3973, 83.8381,
77.0458

■ 56.4981, 80.9510,
69.8117

■ 51.6674, 78.6045,
63.0910

■ 47.8319, 76.7609,
56.8710

■ 44.9084, 75.3776,
51.1383

■ 42.7991, 74.4045,
45.8784

■ 41.3772, 73.7763,
41.0753

Harmonies

Analogous

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



88.1477, 96.0683, 96.4403



87.1406, 96.0683, 101.9459



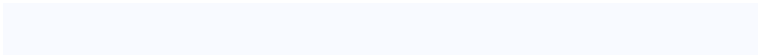
87.2372, 96.0683, 108.3906

Triad

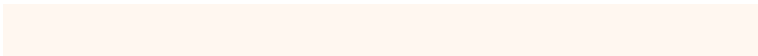
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1406, 96.0683, 101.9459



92.6235, 96.0683, 116.8967



94.2688, 96.0683, 95.7038

Complementary

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



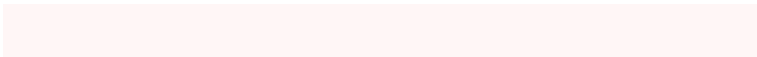
87.1406, 96.0683, 101.9459



87.5651, 87.7836, 97.9168

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.



95.5077, 96.0683, 100.9028



87.1406, 96.0683, 101.9459



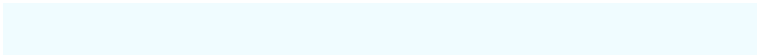
94.5471, 96.0683, 113.2118

Square

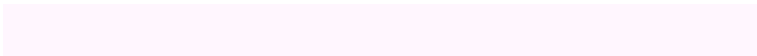
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



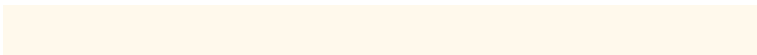
87.1406, 96.0683, 101.9459



90.3778, 96.0683, 117.2042



95.6104, 96.0683, 107.3039



92.2486, 96.0683, 92.9372

Rectangle

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



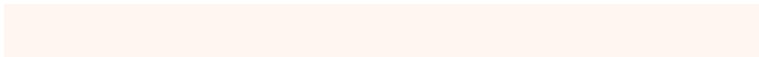
87.1406, 96.0683, 101.9459



87.9145, 96.0683, 112.3542



95.6104, 96.0683, 107.3039



94.7919, 96.0683, 97.2149

Sweetspot

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



87.1415, 96.0687, 101.9474



92.8547, 98.9080, 107.0029



88.2902, 96.8513, 93.3991



19.8977, 21.1818, 22.9230



0.0000, 0.0000, 0.0000



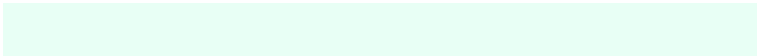
20.3446, 21.4041, 23.3091

Same Dimension

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



87.1415, 96.0687, 101.9474



85.5880, 95.2974, 100.5403



88.0000, 95.7677, 108.4547



18.2126, 20.3446, 21.4223



21.5400, 38.5126, 21.2606



2.1519, 3.7717, 2.3576

Inverse Universe

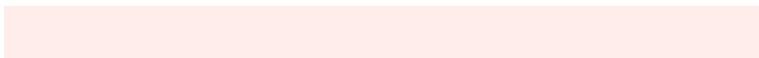
The Inverse Universe completely reimagines the original color for something new.



87.5651, 87.7836, 97.9168



86.0945, 85.3949, 95.7229



86.7426, 88.0402, 91.7799



18.3266, 18.1140, 20.3372



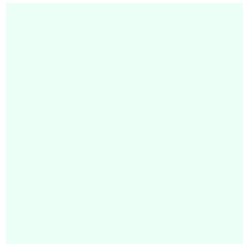
23.0159, 11.6957, 8.7342



2.2941, 1.1600, 1.1301

Previews

White Background



This preview shows how the XYZ color 87.1406, 96.0683, 101.9459 looks on a white background.

Color Contrast Check

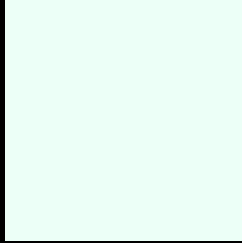
Large Text (above 18pt) WCAG AA × Fail

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 87.1406, 96.0683, 101.9459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

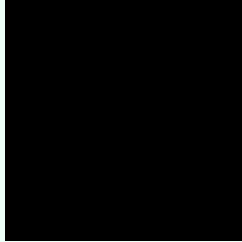
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

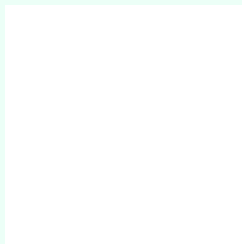
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.1406, 96.0683, 101.9459

Background



This preview shows how black text looks on a background with the XYZ color 87.1406, 96.0683, 101.9459.



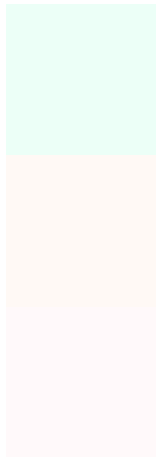
This preview shows how white text looks on a background with the XYZ color 87.1406, 96.0683,

101.9459.

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

87.1406, 96.0683, 101.9459

Protanopia

91.5971, 95.6039, 100.0119

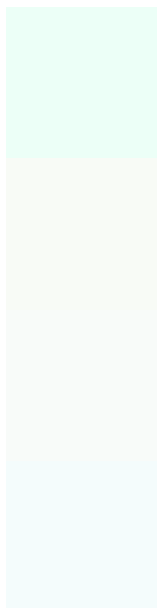
Deuteranopia

92.3710, 95.9135, 104.0872

Tritanopia

91.2586, 96.1708, 108.3607

Trichromacy



Original Color

87.1406, 96.0683, 101.9459

Protanomaly

89.8431, 95.6046, 100.9071

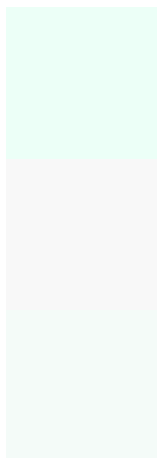
Deuteranomaly

90.3075, 95.7904, 103.3522

Tritanomaly

89.6893, 95.8822, 105.8754

Monochromacy



Original Color

87.1406, 96.0683, 101.9459

Achromatopsia

89.2221, 93.8686, 102.2229

Achromatomaly

88.7487, 95.0048, 102.4671

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.1406, 96.0683, 101.9459 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(236, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 247)  
}
```

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(236, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 247) }
```

Border

The CSS property to change the border of an element to XYZ 87.1406, 96.0683, 101.9459 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(236, 255, 247) }
```


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

```
.border{ border-color:rgb(236, 255, 247) }
```

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

Here you see how a box with a 4 pixel rgb(236, 255, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 87.1406, 96.0683, 101.9459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 255, 247) }
```

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

```
.background{ background-color: rgb(236,  
255, 247) }
```

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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