

Converting Colors

XYZ(87.0411, 96.0408,
100.8659)

Have a look what the booklet for
XYZ(87.0411, 96.0408, 100.8659)
contains.

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Color

**XYZ(86.9866, 96.0067,
101.1352)**

Conversions

Conversions Part 1

Format	Color
Hex	ECFFF6
RGB	236, 255, 246
RGB Percent	93%, 100%, 96%
CMY	0.0745, 0.0000, 0.0353
CMYK	0.07, 0.00, 0.04, 0.00
HSL	152°, 100%, 96%
HSV	152°, 7%, 100%
XYZ	86.9866, 96.0067, 101.1352
YIQ	248.2930, -8.4350, -6.8270

Conversions

Conversions Part 2

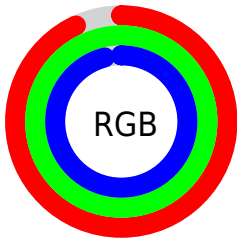
Format	Color
R _Y B	236, 248, 255
Decimal	15532022
CIE Lab	98.43, -7.81, 2.16
CIE LCh	98, 8.101, 164.518
Yxy	96.0067, 0.3062, 0.3379
Android (android.graphics.Color)	4293722102 (0xFFE6FFF6)
YUV	248.2930, -1.1304, -10.7810
Hunter-Lab	97.9830, -13.0029, 7.3907

Details

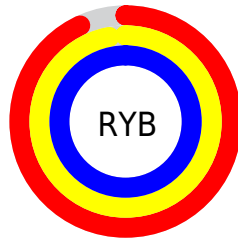
The XYZ color **86.9866, 96.0067, 101.1352** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.7174, 87.8444, 98.7186**, and the grayscale version is **89.4762, 94.1359, 102.5140**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.3107, 53.8092, 56.5552** is the 20% darker color. If you saturate the color by 10%, you get **77.3218, 91.2315, 91.3189**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

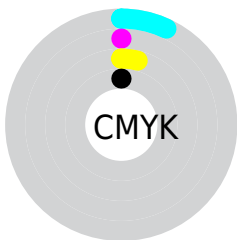
Distribution



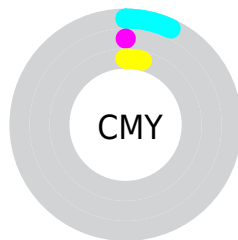
- Red (93%)
- Green (100%)
- Blue (96%)



- Red (93%)
- Yellow (97%)
- 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 86.9866, 96.0067, 101.1352 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 86.9866, 96.0067, 101.1352 by changing the saturation by 10% instead.

86.9866, 96.0067,
101.1352

86.9866, 96.0067,
101.1352

506.5640,
547.3828, 585.1039

65.8121, 72.9731,
76.6268

142.0452,
155.6547, 164.7818

48.3870, 53.9540,
56.4369

176.6601,
193.0379, 204.7570

34.3460, 38.5649,
40.1470

216.4857,
235.9730, 250.7250

23.3237, 26.4214,
27.3385

261.8876,
284.8446, 303.1041

14.9547, 17.1392,
17.5929

313.2310,
340.0370, 362.3131

8.8737, 10.3338,
10.4917

370.8813,

4.7154, 5.6208,

401.9346, 428.7703

5.6163

435.2039,
470.9217, 502.8944

■ 2.1143, 2.6159,
2.5482

■ 0.6970, 0.9347,
0.8656

■ 86.9866, 96.0067,
101.1352

■ 86.9866, 96.0067,
101.1352

■ 77.3218, 91.2315,
91.3189

95.0500, 100.0000,
108.9000

■ 68.9322, 87.1002,
82.1783

■ 61.7618, 83.5840,
73.7000

■ 55.7492, 80.6515,
65.8685

■ 50.8274, 78.2684,
58.6677

■ 46.9222, 76.3970,
52.0806

■ 43.9496, 74.9941,
46.0894

■ 41.8110, 74.0092,
40.6749

■ 40.3785, 73.3768,
35.8160

Harmonies

Analogous

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



88.1352, 96.0067, 95.6195



86.9866, 96.0067, 101.1352



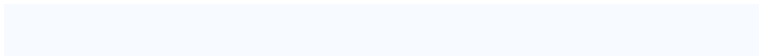
86.9676, 96.0067, 107.7964

Triad

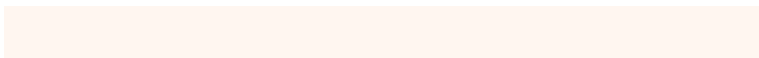
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.9866, 96.0067, 101.1352



92.3833, 96.0067, 117.5028



94.4951, 96.0067, 95.7639

Complementary

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



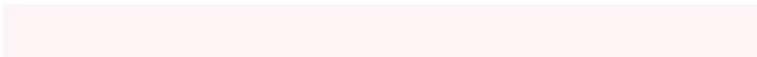
86.9866, 96.0067, 101.1352



87.7174, 87.8444, 98.7186

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.



95.6738, 96.0067, 101.3400



86.9866, 96.0067, 101.1352



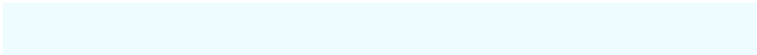
94.4404, 96.0067, 113.9881

Square

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



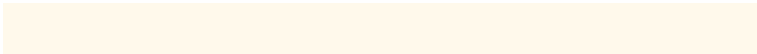
86.9866, 96.0067, 101.1352



90.0565, 96.0067, 117.4422



95.6535, 96.0067, 108.0101



92.4570, 96.0067, 92.6099

Rectangle

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



86.9866, 96.0067, 101.1352



87.5967, 96.0067, 112.0030



95.6535, 96.0067, 108.0101



95.0065, 96.0067, 97.4065

Sweetspot

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



86.9875, 96.0071, 101.1367



92.8120, 98.8909, 106.7780



88.6211, 97.0219, 93.4144



19.8890, 21.1783, 22.8772



0.0000, 0.0000, 0.0000



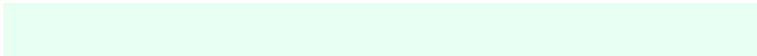
20.3446, 21.4041, 23.3091

Same Dimension

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



86.9875, 96.0071, 101.1367



85.4038, 95.2237, 99.5703



88.3017, 96.3713, 108.5553



18.1711, 20.3280, 21.2038



21.0181, 38.3038, 18.5123



2.1017, 3.7516, 2.0934

Inverse Universe

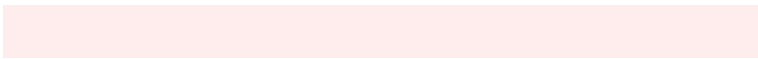
The Inverse Universe completely reimagines the original color for something new.



87.7174, 87.8444, 98.7186



86.2763, 85.4676, 96.6802



86.4678, 87.4906, 91.6882



18.3676, 18.1303, 20.5528



23.4191, 11.8570, 10.8576



2.3350, 1.1764, 1.3453

Previews

White Background



This preview shows how the XYZ color 86.9866, 96.0067, 101.1352 looks on a white background.

Color Contrast Check

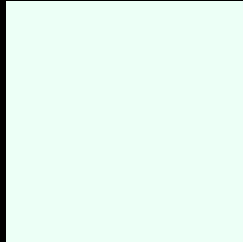
Large Text (above 18pt) WCAG AA × Fail

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 86.9866, 96.0067, 101.1352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

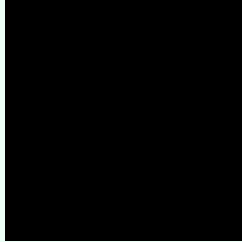
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

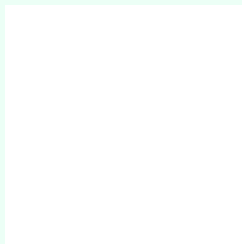
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 86.9866, 96.0067, 101.1352

Background



This preview shows how black text looks on a background with the XYZ color 86.9866, 96.0067, 101.1352.



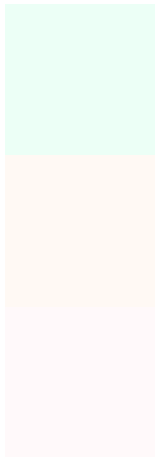
This preview shows how white text looks on a background with the XYZ color 86.9866, 96.0067,

101.352.

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

86.9866, 96.0067, 101.1352

Protanopia

91.4448, 95.5430, 99.2099

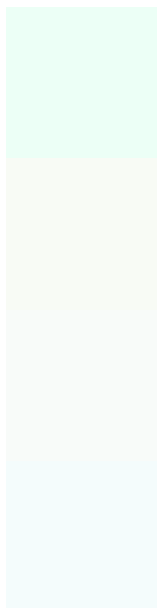
Deuteranopia

92.3710, 95.9135, 104.0872

Tritanopia

90.9470, 95.5477, 108.2569

Trichromacy



Original Color

86.9866, 96.0067, 101.1352

Protanomaly

89.6900, 95.5434, 100.1008

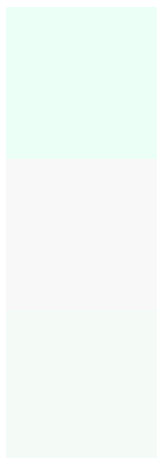
Deuteranomaly

90.3075, 95.7904, 103.3522

Tritanomaly

89.6893, 95.8822, 105.8754

Monochromacy



Original Color

86.9866, 96.0067, 101.1352

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 86.9866, 96.0067, 101.1352 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, 246)` looks like.

```
.text, #text, p{  
    color:rgb(236, 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(236, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 246) }
```

Border

The CSS property to change the border of an element to XYZ 86.9866, 96.0067, 101.1352 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, 246) }
```


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

```
.border{ border-color:rgb(236, 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(236, 255, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 86.9866, 96.0067, 101.1352 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, 246) }
```

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

```
.background{ background-color: rgb(236,  
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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