

Converting Colors

XYZ(83.5016, 87.7523,
107.1446)

Have a look what the booklet for
XYZ(83.5016, 87.7523, 107.1446)
contains.

XYZ(83.4370, 87.6230, 107.1231)	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(83.4370, 87.6230,
107.1231)**

Conversions

Conversions Part 1

Format	Color
Hex	EAF1FF
RGB	234, 241, 255
RGB Percent	92%, 95%, 100%
CMY	0.0823, 0.0549, 0.0000
CMYK	0.08, 0.05, 0.00, 0.00
HSL	220°, 100%, 96%
HSV	220°, 8%, 100%
XYZ	83.4370, 87.6230, 107.1231
YIQ	240.5030, -8.6660, 2.8700

Conversions

Conversions Part 2

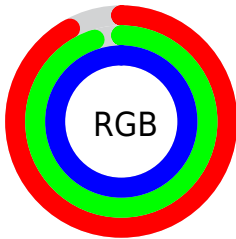
Format	Color
R_{YB}	234, 239, 255
Decimal	15397375
CIE Lab	95.00, 0.29, -7.53
CIE LCh	95, 7.540, 272.240
Yxy	87.6230, 0.2999, 0.3150
Android (android.graphics.Color)	4293587455 (0xFFEAF1FF)
YUV	240.5030, 7.1470, -5.7031
Hunter-Lab	93.6072, -4.7061, -2.3259

Details

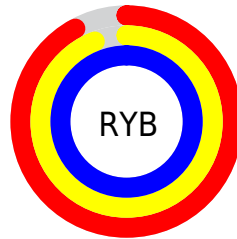
The XYZ color **83.4370, 87.6230, 107.1231** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.6580, 94.3334, 91.3262**, and the grayscale version is **83.1712, 87.5026, 95.2903**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.9021, 48.2401, 60.3181** is the 20% darker color. If you saturate the color by 10%, you get **70.8623, 74.0196, 105.1601**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

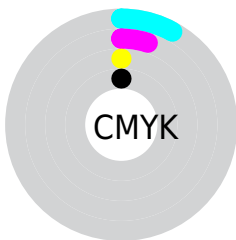
Distribution



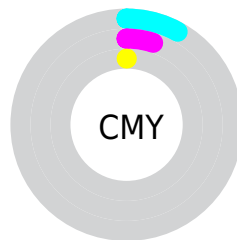
- Red (92%)
- Green (95%)
- Blue (100%)



- Red (92%)
- Yellow (94%)
- Blue (100%)



- Cyan (8%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.4370, 87.6230, 107.1231 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 83.4370, 87.6230, 107.1231 by changing the saturation by 10% instead.

83.4370, 87.6230,
107.1231

83.4370, 87.6230,
107.1231

495.0037,
520.2678, 604.2372

62.8689, 66.0109,
81.6126

137.1127,
144.0322, 173.0490

45.9934, 48.2812,
60.5123

170.9510,
179.5980, 214.3014

32.4452, 34.0497,
43.4037

209.9433,
220.5839, 261.6382

21.8590, 22.9318,
29.8682

254.4551,
267.3743, 315.4780

13.8693, 14.5431,
19.4874

304.8517,
320.3534, 376.2392

8.1109, 8.4994,
11.8426

361.4984,

4.2184, 4.4161,

379.9058, 444.3405

6.5154

424.7606,
446.4158, 520.2003

■ 1.8264, 1.9089,
3.0871

■ 0.5335, 0.5537,
1.1393

■ 83.4370, 87.6230,
107.1231

■ 83.4370, 87.6230,
107.1231

■ 70.8623, 74.0196,
105.1601

95.0500, 100.0000,
108.9000

■ 59.8954, 61.9205,
103.4028

■ 50.4706, 51.2743,
101.8446

■ 42.5144, 42.0223,
100.4781

■ 35.9471, 34.1019,
99.2954

■ 30.6811, 27.4446,
98.2880

■ 26.6176, 21.9752,
97.4465

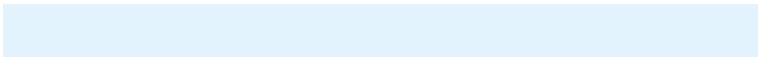
■ 23.6416, 17.6082,
96.7604

■ 21.6001, 14.2365,
96.2172

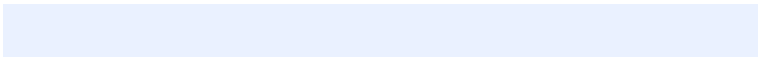
Harmonies

Analogous

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



81.4626, 87.6230, 105.7365



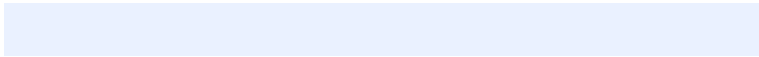
83.4370, 87.6230, 107.1231



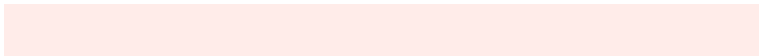
85.4011, 87.6230, 105.2652

Triad

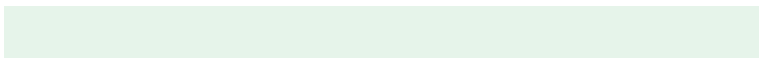
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.4370, 87.6230, 107.1231



86.6578, 87.6230, 89.5168



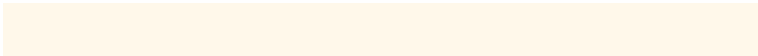
79.8474, 87.6230, 90.2504

Complementary

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



83.4370, 87.6230, 107.1231



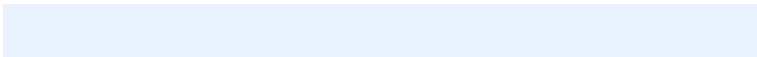
89.6580, 94.3334, 91.3262

Split Complementary

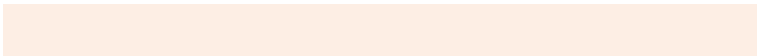
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.2003, 87.6230, 86.1835



83.4370, 87.6230, 107.1231



85.1304, 87.6230, 85.7723

Square

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



83.4370, 87.6230, 107.1231



87.2795, 87.6230, 94.9666



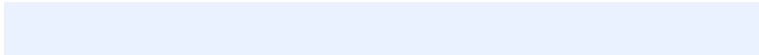
83.1293, 87.6230, 84.5771



79.4105, 87.6230, 95.8479

Rectangle

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



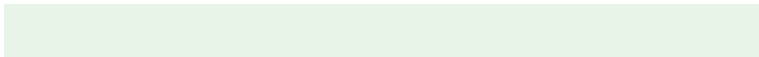
83.4370, 87.6230, 107.1231



86.4346, 87.6230, 102.4793



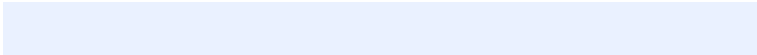
83.1293, 87.6230, 84.5771



80.2090, 87.6230, 88.6670

Sweetspot

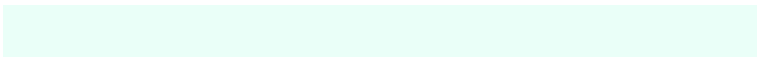
The Sweet Spot groups the original color and five complimentary colors.



83.4393, 87.6266, 107.1236



92.1237, 96.8960, 108.4551



86.5815, 95.7684, 102.4449



19.7490, 20.7723, 23.2185



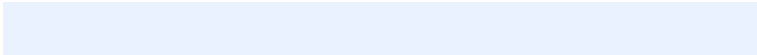
0.0000, 0.0000, 0.0000



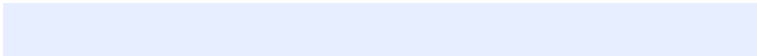
20.3446, 21.4041, 23.3091

Same Dimension

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



83.4393, 87.6266, 107.1236



81.0988, 85.1123, 106.7617



82.4492, 84.0975, 106.4946



17.4980, 18.3675, 22.8730



11.2529, 7.4153, 50.2728



1.1913, 0.9133, 4.9268

Inverse Universe

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



86.5414, 86.4581, 95.3502



84.8312, 83.7491, 92.5867



90.7023, 98.1281, 92.0036



18.2592, 18.0870, 19.9823



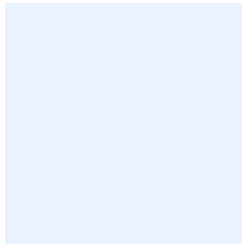
22.4681, 11.4765, 5.8497



2.2359, 1.1367, 0.8238

Previews

White Background



This preview shows how the XYZ color 83.4370, 87.6230, 107.1231 looks on a white background.

Color Contrast Check

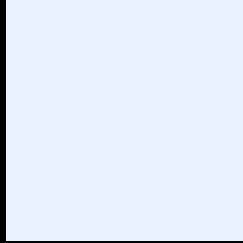
Large Text (above 18pt) WCAG AA × Fail

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 83.4370, 87.6230, 107.1231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

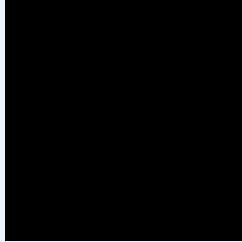
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

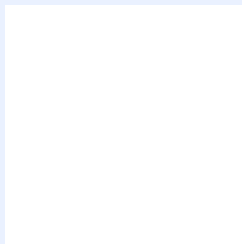
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.4370, 87.6230, 107.1231

Background



This preview shows how black text looks on a background with the XYZ color 83.4370, 87.6230, 107.1231.

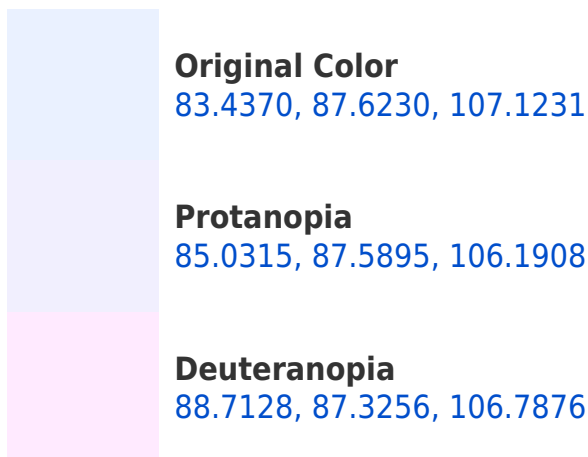


This preview shows how white text looks on a background with the XYZ color 83.4370, 87.6230,

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

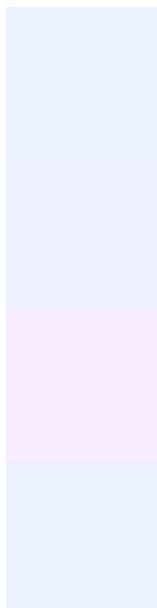




Tritanopia

83.8022, 87.3730, 107.0556

Trichromacy



Original Color

83.4370, 87.6230, 107.1231

Protanomaly

84.3094, 87.6531, 106.2411

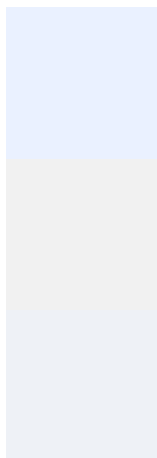
Deuteranomaly

86.6920, 87.5625, 106.9398

Tritanomaly

83.4710, 87.2023, 107.0401

Monochromacy



Original Color

83.4370, 87.6230, 107.1231

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

83.3497, 87.7416, 99.7316

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.4370, 87.6230, 107.1231 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(234, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 241, 255)  
}
```

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(234, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 241, 255) }
```

Border

The CSS property to change the border of an element to XYZ 83.4370, 87.6230, 107.1231 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(234, 241, 255) }
```


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

```
.border{ border-color:rgb(234, 241, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(234, 241, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(234, 241, 255); box-shadow:4px 4px 4px 4px rgb(234, 241, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 83.4370, 87.6230, 107.1231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 241, 255) }
```

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

```
.background{ background-color: rgb(234,  
241, 255) }
```

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