

Converting Colors

XYZ(82.1737, 87.4400,
107.1543)

Have a look what the booklet for
XYZ(82.1737, 87.4400, 107.1543)
contains.

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Color

**XYZ(82.1152, 87.3823,
107.1463)**

Conversions

Conversions Part 1

Format	Color
Hex	E5F2FF
RGB	229, 242, 255
RGB Percent	90%, 95%, 100%
CMY	0.1020, 0.0510, 0.0000
CMYK	0.10, 0.05, 0.00, 0.00
HSL	210°, 100%, 95%
HSV	210°, 10%, 100%
XYZ	82.1152, 87.3823, 107.1463
YIQ	239.5950, -11.9210, 1.2870

Conversions

Conversions Part 2

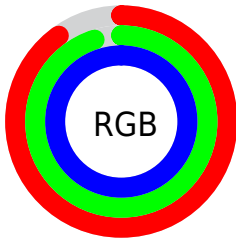
Format	Color
R _Y B	229, 238, 255
Decimal	15069951
CIE Lab	94.90, -1.81, -7.72
CIE LCh	95, 7.933, 256.822
Yxy	87.3823, 0.2968, 0.3159
Android (android.graphics.Color)	4293260031 (0xFFE5F2FF)
YUV	239.5950, 7.5947, -9.2918
Hunter-Lab	93.4785, -6.7859, -2.5240

Details

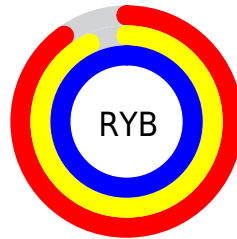
The XYZ color **82.1152, 87.3823, 107.1463** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.1342, 90.4194, 86.9904**, and the grayscale version is **82.4591, 86.7534, 94.4745**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.9855, 48.0793, 60.3353** is the 20% darker color. If you saturate the color by 10%, you get **70.9068, 76.1697, 105.5728**, and if you desaturate by 10%, it is **94.7876, 99.7469, 108.8650**.

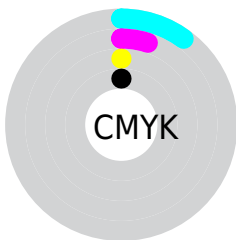
Distribution



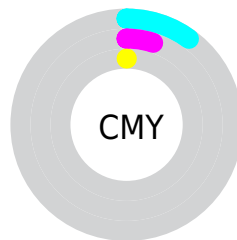
- Red (90%)
- Green (95%)
- Blue (100%)



- Red (90%)
- Yellow (93%)
- Blue (100%)



- Cyan (10%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.1152, 87.3823, 107.1463 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 82.1152, 87.3823, 107.1463 by changing the saturation by 10% instead.

82.1152, 87.3823,
107.1463

82.1152, 87.3823,
107.1463

490.6616,
519.4783, 604.3107

61.7749, 65.8116,
81.6319

135.2705,
143.6969, 173.0809

45.1058, 48.1195,
60.5282

168.8163,
179.2096, 214.3382

31.7424, 33.9215,
43.4164

207.4946,
220.1384, 261.6803

21.3194, 22.8333,
29.8781

251.6708,
266.8678, 315.5257

13.4715, 14.4705,
19.4949

301.7102,
319.7820, 376.2928

7.8332, 8.4486,
11.8480

357.9783,

4.0393, 4.3833,

379.2656, 444.4004

6.5190

420.8403,
445.7029, 520.2668

■ 1.7244, 1.8902,
3.0893

■ 0.4715, 0.5425,
1.1404

■ 82.1152, 87.3823,
107.1463

■ 82.1152, 87.3823,
107.1463

■ 70.9068, 76.1697,
105.5728

94.7876, 99.7469,
108.8650

■ 61.0984, 66.0609,
104.1385

95.0500, 100.0000,
108.9000

■ 52.6310, 57.0198,
102.8397

■ 45.4385, 49.0039,
101.6716

■ 39.4489, 41.9671,
100.6290

■ 34.5819, 35.8591,
99.7066

■ 30.7466, 30.6235,
98.8982

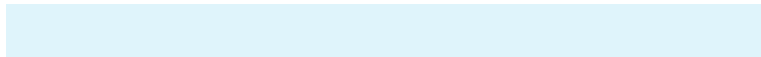
■ 27.8350, 26.1948,
98.1968

■ 25.7098, 22.5397,
97.6033

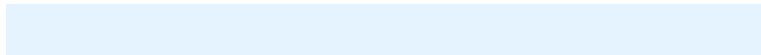
Harmonies

Analogous

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



80.2570, 87.3823, 104.0437



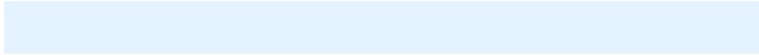
82.1152, 87.3823, 107.1463



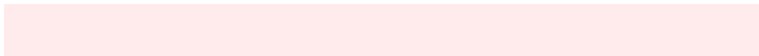
84.2566, 87.3823, 106.9355

Triad

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



82.1152, 87.3823, 107.1463



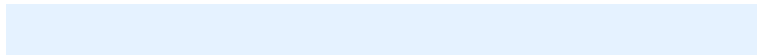
87.0753, 87.3823, 91.7584



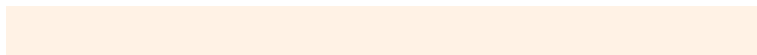
80.0754, 87.3823, 87.2695

Complementary

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



82.1152, 87.3823, 107.1463



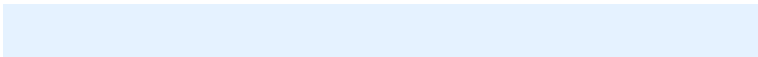
87.1342, 90.4194, 86.9904

Split Complementary

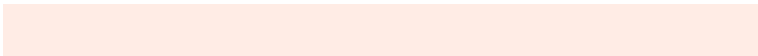
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.8634, 87.3823, 84.2537



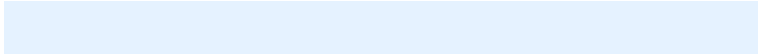
82.1152, 87.3823, 107.1463



85.9158, 87.3823, 86.7678

Square

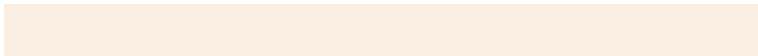
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.1152, 87.3823, 107.1463



87.1455, 87.3823, 97.8697



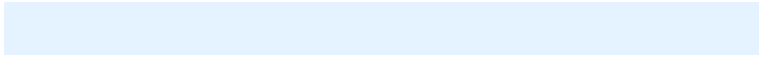
84.0004, 87.3823, 84.0741



79.0931, 87.3823, 92.4703

Rectangle

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



82.1152, 87.3823, 107.1463



85.5571, 87.3823, 104.9420



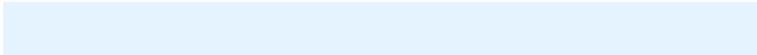
84.0004, 87.3823, 84.0741



80.6007, 87.3823, 85.9766

Sweetspot

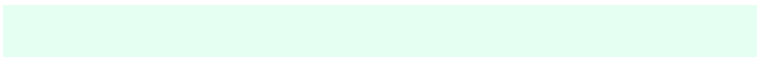
The Sweet Spot groups the original color and five complimentary colors.



82.1175, 87.3859, 107.1468



91.0836, 96.1624, 108.3683



84.0359, 94.5632, 97.4877



19.2736, 20.3670, 23.1653



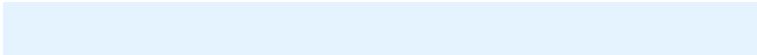
0.0000, 0.0000, 0.0000



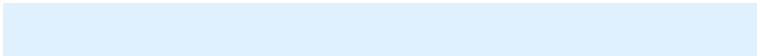
20.3446, 21.4041, 23.3091

Same Dimension

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



82.1175, 87.3859, 107.1468



79.9880, 85.2781, 106.8522



78.5036, 80.1581, 105.9422



17.7537, 18.8790, 22.9582



13.5833, 12.0761, 51.0496



1.4318, 1.3942, 5.0069

Inverse Universe

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



85.2877, 83.7108, 95.6714



83.6877, 81.0603, 93.4441



91.0051, 98.1611, 88.2807



18.3883, 18.1386, 20.6620



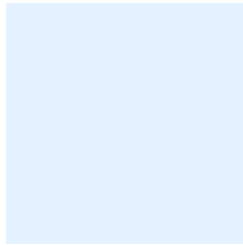
23.6444, 11.9471, 12.0438



2.3573, 1.1853, 1.4629

Previews

White Background



This preview shows how the XYZ color 82.1152, 87.3823, 107.1463 looks on a white background.

Color Contrast Check

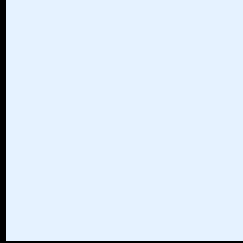
Large Text (above 18pt) WCAG AA × Fail

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 82.1152, 87.3823, 107.1463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

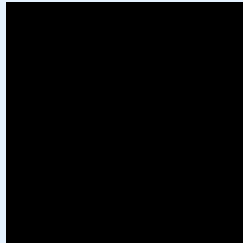
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

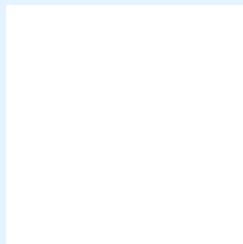
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.1152, 87.3823, 107.1463

Background



This preview shows how black text looks on a background with the XYZ color 82.1152, 87.3823, 107.1463.



This preview shows how white text looks on a background with the XYZ color 82.1152, 87.3823,

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

82.1152, 87.3823, 107.1463

Protanopia

84.8718, 87.5256, 105.3494

Deuteranopia

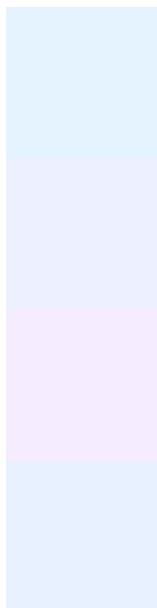
88.3459, 87.1365, 106.7704



Tritanopia

83.1096, 87.4542, 107.1078

Trichromacy



Original Color

82.1152, 87.3823, 107.1463

Protanomaly

83.9745, 87.4805, 106.2254

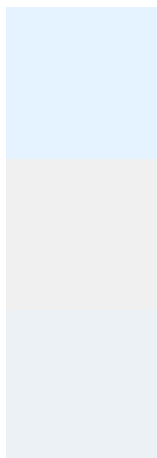
Deuteranomaly

85.9904, 87.2009, 106.9070

Tritanomaly

82.7840, 87.2864, 107.0925

Monochromacy



Original Color

82.1152, 87.3823, 107.1463

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.5288, 87.3360, 98.8940

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.1152, 87.3823, 107.1463 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(229, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 242, 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(229, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 242, 255) }
```

Border

The CSS property to change the border of an element to XYZ 82.1152, 87.3823, 107.1463 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(229, 242, 255) }
```


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

```
.border{ border-color:rgb(229, 242, 255) }
```

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

Here you see how a box with a 4 pixel rgb(229, 242, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 242,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 82.1152, 87.3823, 107.1463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 242, 255) }
```

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

```
.background{ background-color: rgb(229,  
242, 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](#).

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