

Converting Colors

XYZ(99.1597, 93.7006,
194.3523)

Have a look what the booklet for
XYZ(99.1597, 93.7006, 194.3523)
contains.

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Color

**XYZ(82.7840, 87.2864,
107.0925)**

Conversions

Conversions Part 1

Format	Color
Hex	E8F1FF
RGB	232, 241, 255
RGB Percent	91%, 95%, 100%
CMY	0.0902, 0.0549, 0.0000
CMYK	0.09, 0.05, 0.00, 0.00
HSL	217°, 100%, 95%
HSV	217°, 9%, 100%
XYZ	82.7840, 87.2864, 107.0925
YIQ	239.9050, -9.8580, 2.4460

Conversions

Conversions Part 2

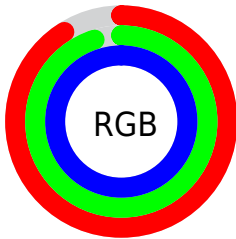
Format	Color
R _Y B	232, 238, 255
Decimal	15266303
CIE Lab	94.86, -0.34, -7.76
CIE LCh	95, 7.768, 267.461
Yxy	87.2864, 0.2987, 0.3149
Android (android.graphics.Color)	4293456383 (0xFFE8F1FF)
YUV	239.9050, 7.4418, -6.9327
Hunter-Lab	93.4272, -5.3322, -2.5631

Details

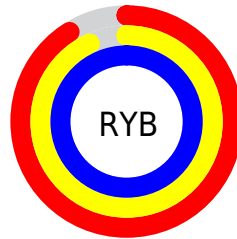
The XYZ color **82.7840, 87.2864, 107.0925** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.7605, 92.9958, 89.6173**, and the grayscale version is **82.7013, 87.0082, 94.7519**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.4465, 48.0052, 60.2967** is the 20% darker color. If you saturate the color by 10%, you get **70.7006, 74.5286, 105.2669**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

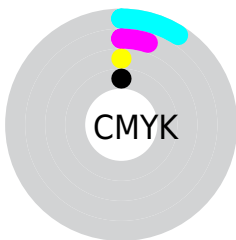
Distribution



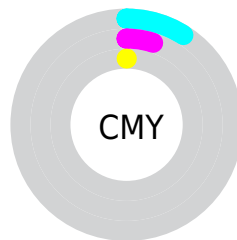
- Red (91%)
- Green (95%)
- Blue (100%)



- Red (91%)
- Yellow (93%)
- Blue (100%)



- Cyan (9%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.7840, 87.2864, 107.0925 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 82.7840, 87.2864, 107.0925 by changing the saturation by 10% instead.

82.7840, 87.2864,
107.0925

82.7840, 87.2864,
107.0925

492.8612,
519.1635, 604.1402

62.3283, 65.7322,
81.5871

136.2030,
143.5633, 173.0068

45.5546, 48.0551,
60.4914

169.8970,
179.0548, 214.2528

32.0976, 33.8705,
43.3869

208.7344,
219.9608, 261.5827

21.5920, 22.7941,
29.8552

253.0807,
266.6659, 315.4151

13.6723, 14.4416,
19.4776

303.3012,
319.5542, 376.1685

7.9733, 8.4284,
11.8356

359.7612,

4.1295, 4.3703,

379.0104, 444.2615

6.5106

422.8261,
445.4187, 520.1125

■ 1.7757, 1.8828,
3.0842

■ 0.5029, 0.5380,
1.1378

■ 82.7840, 87.2864,
107.0925

■ 82.7840, 87.2864,
107.0925

■ 70.7006, 74.5286,
105.2669

95.0500, 100.0000,
108.9000

■ 60.1460, 63.1230,
103.6217

■ 51.0572, 53.0244,
102.1515

■ 43.3637, 44.1810,
100.8500

■ 36.9893, 36.5370,
99.7105

■ 31.8493, 30.0317,
98.7258

■ 27.8484, 24.5979,
97.8878

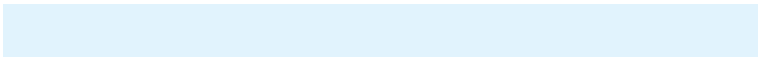
■ 24.8749, 20.1589,
97.1877

■ 22.7692, 16.6119,
96.6141

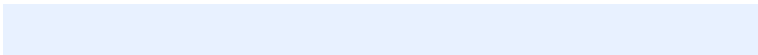
Harmonies

Analogous

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



80.8058, 87.2864, 105.1471



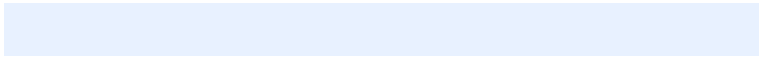
82.7840, 87.2864, 107.0925



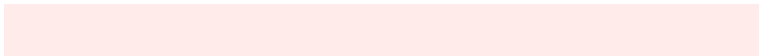
84.8429, 87.2864, 105.6971

Triad

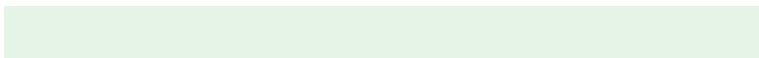
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.7840, 87.2864, 107.0925



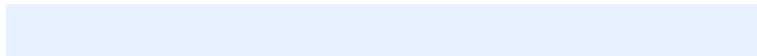
86.6053, 87.2864, 89.7961



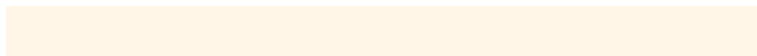
79.5987, 87.2864, 88.9427

Complementary

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



82.7840, 87.2864, 107.0925



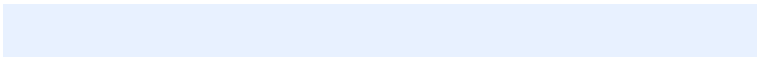
88.7605, 92.9958, 89.6173

Split Complementary

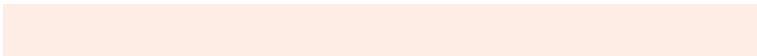
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.1113, 87.2864, 85.1245



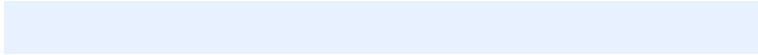
82.7840, 87.2864, 107.0925



85.1584, 87.2864, 85.6024

Square

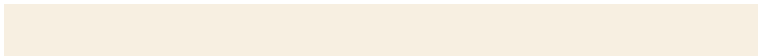
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.7840, 87.2864, 107.0925



87.0711, 87.2864, 95.5543



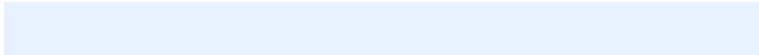
83.1425, 87.2864, 83.9276



78.9864, 87.2864, 94.5277

Rectangle

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



82.7840, 87.2864, 107.0925



85.9801, 87.2864, 103.0915



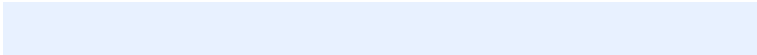
83.1425, 87.2864, 83.9276



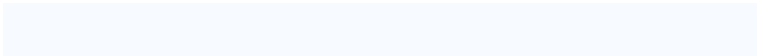
80.0175, 87.2864, 87.4192

Sweetspot

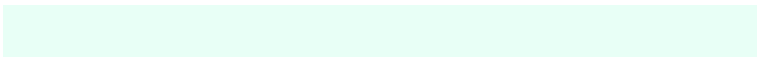
The Sweet Spot groups the original color and five complimentary colors.



82.7863, 87.2900, 107.0931



90.8242, 95.6436, 108.2819



85.6434, 95.3177, 100.9129



19.2037, 20.2271, 23.1420



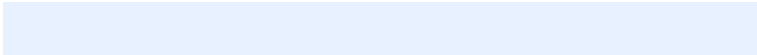
0.0000, 0.0000, 0.0000



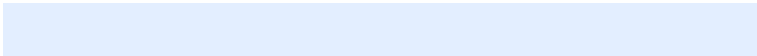
20.3446, 21.4041, 23.3091

Same Dimension

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



82.7863, 87.2900, 107.0931



80.2673, 84.6518, 106.7166



80.9381, 82.4780, 106.2617



17.5863, 18.5441, 22.9024



11.9389, 8.7874, 50.5015



1.2650, 1.0608, 4.9513

Inverse Universe

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



85.9752, 85.3256, 95.1615



84.1179, 82.3398, 92.2956



90.7247, 98.1727, 90.5130



18.3038, 18.1048, 20.2170



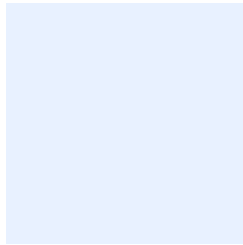
22.8144, 11.6151, 7.6731



2.2731, 1.1516, 1.0198

Previews

White Background



This preview shows how the XYZ color 82.7840, 87.2864, 107.0925 looks on a white background.

Color Contrast Check

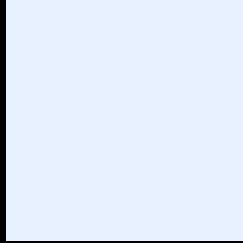
Large Text (above 18pt) WCAG AA × Fail

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 82.7840, 87.2864, 107.0925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

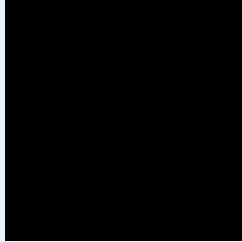
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

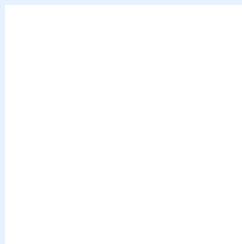
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.7840, 87.2864, 107.0925

Background



This preview shows how black text looks on a background with the XYZ color 82.7840, 87.2864, 107.0925.



This preview shows how white text looks on a background with the XYZ color 82.7840, 87.2864,

107.0925.

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

82.7840, 87.2864, 107.0925

Protanopia

84.6911, 87.4140, 106.1748

Deuteranopia

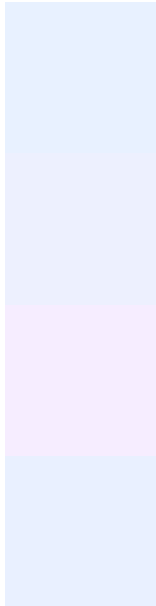
88.3459, 87.1365, 106.7704



Tritanopia

83.1418, 87.0326, 107.0247

Trichromacy



Original Color

82.7840, 87.2864, 107.0925

Protanomaly

83.9745, 87.4805, 106.2254

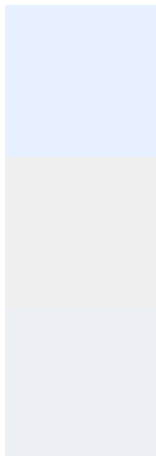
Deuteranomaly

86.3402, 87.3812, 106.9234

Tritanomaly

82.8144, 86.8638, 107.0093

Monochromacy



Original Color

82.7840, 87.2864, 107.0925

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.5666, 86.9173, 98.8112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.7840, 87.2864, 107.0925 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(232, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 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(232, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 241, 255) }
```

Border

The CSS property to change the border of an element to XYZ 82.7840, 87.2864, 107.0925 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(232, 241, 255) }
```


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

```
.border{ border-color:rgb(232, 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(232, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 241,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 82.7840, 87.2864, 107.0925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 241, 255) }
```

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

```
.background{ background-color: rgb(232,  
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](#).

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