

Converting Colors

XYZ(86.8283, 89.0629,
127.0389)

Have a look what the booklet for
XYZ(86.8283, 89.0629, 127.0389)
contains.

XYZ(83.1096, 87.4542, 107.1078)	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(83.1096, 87.4542,
107.1078)**

Conversions

Conversions Part 1

Format	Color
Hex	E9F1FF
RGB	233, 241, 255
RGB Percent	91%, 95%, 100%
CMY	0.0863, 0.0549, 0.0000
CMYK	0.09, 0.05, 0.00, 0.00
HSL	218°, 100%, 96%
HSV	218°, 9%, 100%
XYZ	83.1096, 87.4542, 107.1078
YIQ	240.2040, -9.2620, 2.6580

Conversions

Conversions Part 2

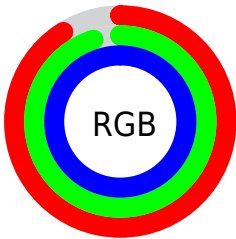
Format	Color
R_{YB}	233, 239, 255
Decimal	15331839
CIE _{Lab}	94.93, -0.02, -7.65
CIE _{LCh}	95, 7.647, 269.813
Yxy	87.4542, 0.2993, 0.3150
Android (android.graphics.Color)	4293521919 (0xFFE9F1FF)
YUV	240.2040, 7.2944, -6.3179
Hunter-Lab	93.5170, -5.0196, -2.4448

Details

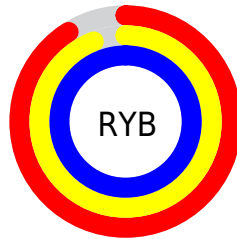
The XYZ color **83.1096, 87.4542, 107.1078** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.2081, 93.6629, 90.4694**, and the grayscale version is **82.9360, 87.2552, 95.0209**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.6735, 48.1223, 60.3074** is the 20% darker color. If you saturate the color by 10%, you get **70.7892, 74.2908, 105.2163**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

Distribution



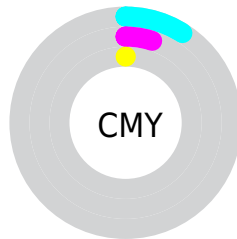
- Red (91%)
- Green (95%)
- Blue (100%)



- Red (91%)
- Yellow (94%)
- 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 83.1096, 87.4542, 107.1078 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 83.1096, 87.4542, 107.1078 by changing the saturation by 10% instead.

83.1096, 87.4542,
107.1078

83.1096, 87.4542,
107.1078

493.9301,
519.7142, 604.1887

62.5978, 65.8711,
81.5998

136.6567,
143.7970, 173.0279

45.7733, 48.1678,
60.5018

170.4227,
179.3256, 214.2771

32.2709, 33.9598,
43.3953

209.3374,
220.2715, 261.6105

21.7250, 22.8627,
29.8617

253.7663,
267.0191, 315.4466

13.7705, 14.4922,
19.4825

304.0746,
319.9527, 376.2039

8.0418, 8.4638,
11.8391

360.6278,

4.1737, 4.3931,

379.4569, 444.3010

6.5130

423.7912,
445.9159, 520.1564

■ 1.8009, 1.8958,
3.0857

■ 0.5182, 0.5459,
1.1385

■ 83.1096, 87.4542,
107.1078

■ 83.1096, 87.4542,
107.1078

■ 70.7892, 74.2908,
105.2163

95.0500, 100.0000,
108.9000

■ 60.0346, 62.5506,
103.5171

■ 50.7815, 52.1857,
102.0041

■ 42.9582, 43.1411,
100.6707

■ 36.4869, 35.3579,
99.5094

■ 31.2817, 28.7720,
98.5126

■ 27.2456, 23.3125,
97.6715

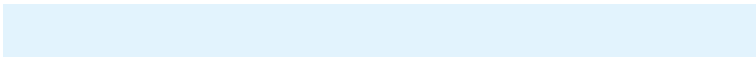
■ 24.2656, 18.8990,
96.9767

■ 22.1861, 15.4272,
96.4161

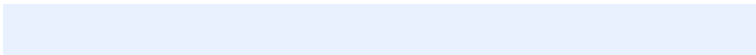
Harmonies

Analogous

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



81.1333, 87.4542, 105.4413



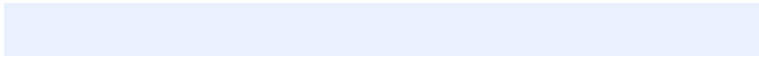
83.1096, 87.4542, 107.1078



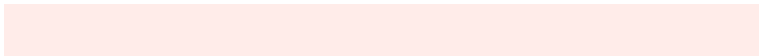
85.1213, 87.4542, 105.4811

Triad

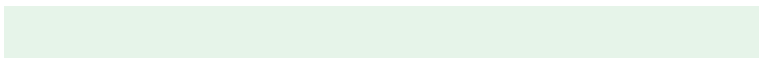
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.1096, 87.4542, 107.1078



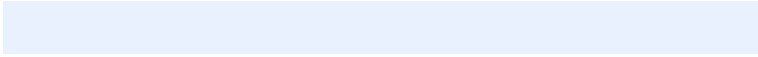
86.6313, 87.4542, 89.6560



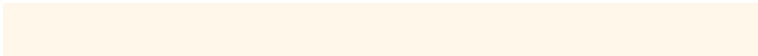
79.7225, 87.4542, 89.5941

Complementary

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



83.1096, 87.4542, 107.1078



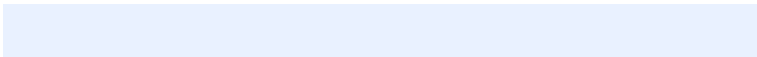
89.2081, 93.6629, 90.4694

Split Complementary

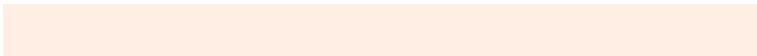
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.1554, 87.4542, 85.6520



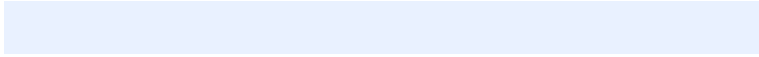
83.1096, 87.4542, 107.1078



85.1442, 87.4542, 85.6867

Square

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



83.1096, 87.4542, 107.1078



87.1750, 87.4542, 95.2600



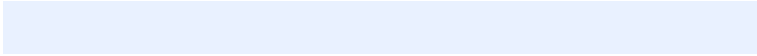
83.1356, 87.4542, 84.2511



79.1977, 87.4542, 95.1855

Rectangle

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



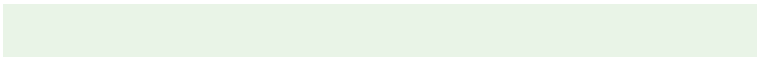
83.1096, 87.4542, 107.1078



86.2068, 87.4542, 102.7851



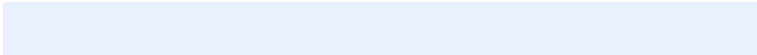
83.1356, 87.4542, 84.2511



80.1128, 87.4542, 88.0407

Sweetspot

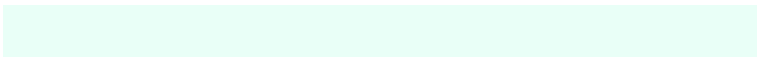
The Sweet Spot groups the original color and five complimentary colors.



83.1119, 87.4578, 107.1083



90.7583, 95.5119, 108.2599



86.1433, 95.5553, 101.8462



19.1860, 20.1916, 23.1361



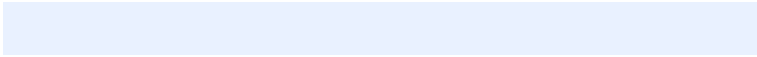
0.0000, 0.0000, 0.0000



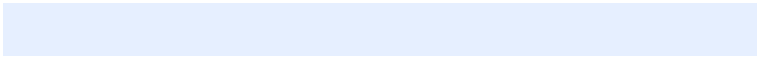
20.3446, 21.4041, 23.3091

Same Dimension

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



83.1119, 87.4578, 107.1083



81.3242, 85.5631, 106.8368



81.7601, 83.3209, 106.3811



17.5440, 18.4596, 22.8883



11.5955, 8.1005, 50.3870



1.2286, 0.9878, 4.9392

Inverse Universe

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



86.2575, 85.8903, 95.2555



84.9450, 83.7946, 93.1858



90.6374, 98.1113, 91.2527



18.2825, 18.0963, 20.1047



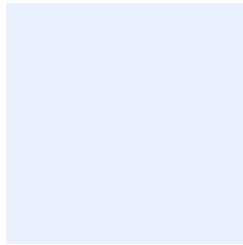
22.6411, 11.5457, 6.7603



2.2547, 1.1443, 0.9228

Previews

White Background



This preview shows how the XYZ color 83.1096, 87.4542, 107.1078 looks on a white background.

Color Contrast Check

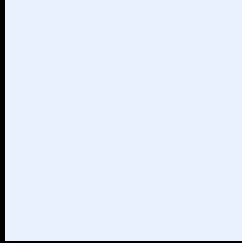
Large Text (above 18pt) WCAG AA × Fail

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 83.1096, 87.4542, 107.1078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

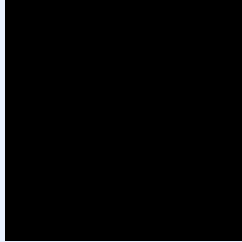
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

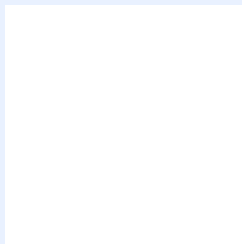
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.1096, 87.4542, 107.1078

Background



This preview shows how black text looks on a background with the XYZ color 83.1096, 87.4542, 107.1078.



This preview shows how white text looks on a background with the XYZ color 83.1096, 87.4542,

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

83.1096, 87.4542, 107.1078

Protanopia

85.0315, 87.5895, 106.1908

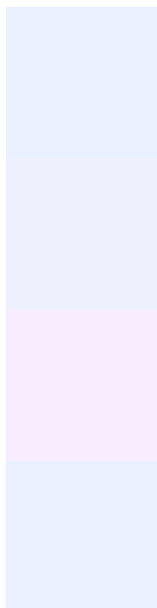
Deuteranopia

88.7128, 87.3256, 106.7876

Tritanopia

83.4710, 87.2023, 107.0401

Trichromacy



Original Color

83.1096, 87.4542, 107.1078

Protanomaly

84.3094, 87.6531, 106.2411

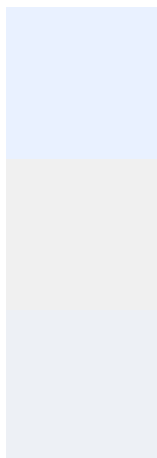
Deuteranomaly

86.6920, 87.5625, 106.9398

Tritanomaly

83.1418, 87.0326, 107.0247

Monochromacy



Original Color

83.1096, 87.4542, 107.1078

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 83.1096, 87.4542, 107.1078 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(233, 241, 255) looks like.

```
.text, #text, p{  
    color:rgb(233, 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(233, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 241, 255) }
```

Border

The CSS property to change the border of an element to XYZ 83.1096, 87.4542, 107.1078 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(233, 241, 255) }
```


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

```
.border{ border-color:rgb(233, 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(233, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 241,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 83.1096, 87.4542, 107.1078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 241, 255) }
```

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

```
.background{ background-color: rgb(233,  
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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