

Converting Colors

XYZ(83.0242, 86.0395,
106.8392)

Have a look what the booklet for
XYZ(83.0242, 86.0395, 106.8392)
contains.

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Color

**XYZ(83.2166, 86.2019,
106.8604)**

Conversions

Conversions Part 1

Format	Color
Hex	ECEEFF
RGB	236, 238, 255
RGB Percent	93%, 93%, 100%
CMY	0.0745, 0.0666, 0.0000
CMYK	0.07, 0.07, 0.00, 0.00
HSL	234°, 100%, 96%
HSV	234°, 7%, 100%
XYZ	83.2166, 86.2019, 106.8604
YIQ	239.3400, -6.6490, 4.8630

Conversions

Conversions Part 2

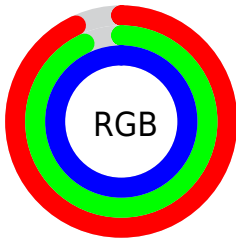
Format	Color
R _{YB}	236, 238, 255
Decimal	15527679
CIE _{Lab}	94.40, 2.47, -8.41
CIE _{LCh}	94, 8.768, 286.386
Y _{xy}	86.2019, 0.3012, 0.3120
Android (android.graphics.Color)	4293717759 (0xFFECEEFF)
YUV	239.3400, 7.7204, -2.9292
Hunter-Lab	92.8450, -2.4898, -3.2486

Details

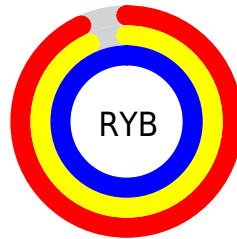
The XYZ color **83.2166, 86.2019, 106.8604** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **91.5048, 97.5647, 93.3675**, and the grayscale version is **82.2563, 86.5401, 94.2421**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.7434, 47.2364, 60.1327** is the 20% darker color. If you saturate the color by 10%, you get **69.1215, 69.6954, 104.4172**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

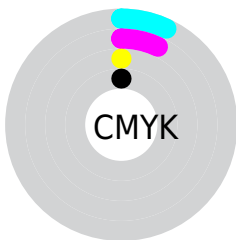
Distribution



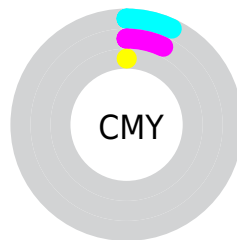
- Red (93%)
- Green (93%)
- Blue (100%)



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



- Cyan (7%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.2166, 86.2019, 106.8604 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 83.2166, 86.2019, 106.8604 by changing the saturation by 10% instead.

83.2166, 86.2019,
106.8604

83.2166, 86.2019,
106.8604

494.2811,
515.5967, 603.4044

62.6864, 64.8349,
81.3935

136.8057,
142.0512, 172.6873

45.8452, 47.3273,
60.3328

170.5953,
177.3023, 213.8843

32.3278, 33.2944,
43.2599

209.5355,
217.9503, 261.1617

21.7688, 22.3521,
29.7562

253.9915,
264.3795, 314.9381

13.8027, 14.1158,
19.4031

304.3287,
316.9744, 375.6321

8.0644, 8.2013,
11.7822

360.9124,

4.1883, 4.2240,

376.1193, 443.6621

6.4748

424.1081,
442.1986, 519.4467

■ 1.8092, 1.7996,
3.0625

■ 0.5232, 0.4870,
1.1266

■ 83.2166, 86.2019,
106.8604

■ 83.2166, 86.2019,
106.8604

■ 69.1215, 69.6954,
104.4172

95.0500, 100.0000,
108.9000

■ 56.9920, 55.4024,
102.2977

■ 46.7425, 43.2318,
100.4887

■ 38.2785, 33.0818,
98.9757

■ 31.4970, 24.8426,
97.7428

■ 26.2847, 18.3936,
96.7727

■ 22.5139, 13.6003,
96.0462

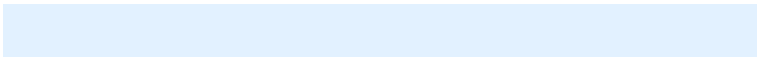
■ 20.0366, 10.3089,
95.5415

■ 18.6671, 8.3334,
95.2324

Harmonies

Analogous

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



80.8710, 86.2019, 107.0376



83.2166, 86.2019, 106.8604



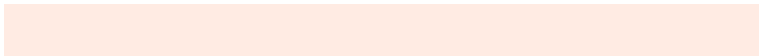
85.2551, 86.2019, 103.0931

Triad

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



83.2166, 86.2019, 106.8604



85.0961, 86.2019, 84.7785



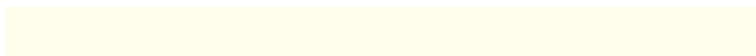
77.6091, 86.2019, 90.8394

Complementary

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



83.2166, 86.2019, 106.8604



91.5048, 97.5647, 93.3675

Split Complementary

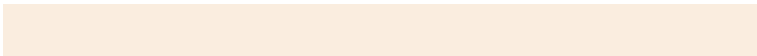
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.6970, 86.2019, 85.1938



83.2166, 86.2019, 106.8604



83.0029, 86.2019, 81.8095

Square

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



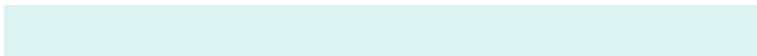
83.2166, 86.2019, 106.8604



86.3544, 86.2019, 90.2475



80.6613, 86.2019, 81.9578



77.6639, 86.2019, 97.5660

Rectangle

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



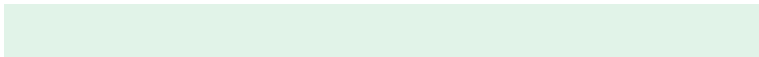
83.2166, 86.2019, 106.8604



86.1523, 86.2019, 99.1510



80.6613, 86.2019, 81.9578



77.8524, 86.2019, 88.7591

Sweetspot

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



83.2189, 86.2054, 106.8610



91.7603, 96.1691, 108.3340



88.0479, 96.4313, 106.7203



19.6750, 20.6243, 23.1939



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.



83.2189, 86.2054, 106.8610



80.9018, 83.4979, 106.4605



85.1065, 86.3175, 106.7831



17.1571, 17.6859, 22.7594



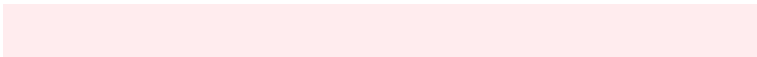
9.6846, 4.2788, 49.7500



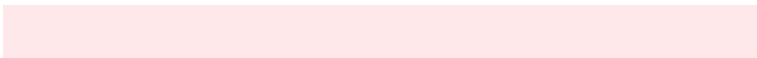
0.9913, 0.5133, 4.8601

Inverse Universe

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



86.6695, 87.4255, 93.1999



85.0296, 84.9690, 90.1156



89.5119, 97.4811, 93.4564



18.0872, 18.0182, 19.0764



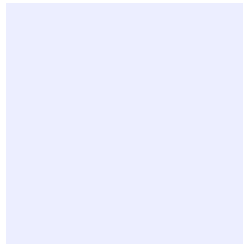
21.6766, 11.1599, 1.6813



2.1350, 1.0964, 0.2921

Previews

White Background



This preview shows how the XYZ color 83.2166, 86.2019, 106.8604 looks on a white background.

Color Contrast Check

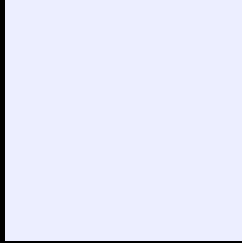
Large Text (above 18pt) WCAG AA × Fail

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 83.2166, 86.2019, 106.8604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

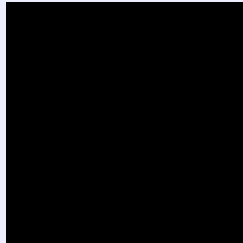
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.2166, 86.2019, 106.8604

Background



This preview shows how black text looks on a background with the XYZ color 83.2166, 86.2019, 106.8604.



This preview shows how white text looks on a background with the XYZ color 83.2166, 86.2019,

106.8604.

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

83.2166, 86.2019, 106.8604

Protanopia

83.5941, 85.9655, 106.7949

Deuteranopia

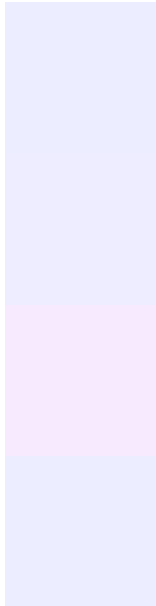
87.4146, 85.8159, 106.5646



Tritanopia

83.2166, 86.2019, 106.8604

Trichromacy



Original Color

83.2166, 86.2019, 106.8604

Protanomaly

83.2592, 85.7929, 106.7792

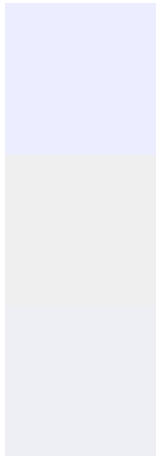
Deuteranomaly

85.8306, 85.8398, 106.6527

Tritanomaly

83.2166, 86.2019, 106.8604

Monochromacy



Original Color

83.2166, 86.2019, 106.8604

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

82.6078, 86.5027, 98.7290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.2166, 86.2019, 106.8604 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, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 238, 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(236, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 238, 255) }
```

Border

The CSS property to change the border of an element to XYZ 83.2166, 86.2019, 106.8604 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, 238, 255) }
```


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

```
.border{ border-color:rgb(236, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 238,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 83.2166, 86.2019, 106.8604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 238, 255) }
```

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

```
.background{ background-color: rgb(236,  
238, 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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