

Converting Colors

XYZ(88.6700, 89.5206,
131.8475)

Have a look what the booklet for
XYZ(88.6700, 89.5206, 131.8475)
contains.

XYZ(83.8022, 87.3730, 107.0556)	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(83.8022, 87.3730,
107.0556)**

Conversions

Conversions Part 1

Format	Color
Hex	ECF0FF
RGB	236, 240, 255
RGB Percent	93%, 94%, 100%
CMY	0.0745, 0.0588, 0.0000
CMYK	0.07, 0.06, 0.00, 0.00
HSL	227°, 100%, 96%
HSV	227°, 7%, 100%
XYZ	83.8022, 87.3730, 107.0556
YIQ	240.5140, -7.1990, 3.8170

Conversions

Conversions Part 2

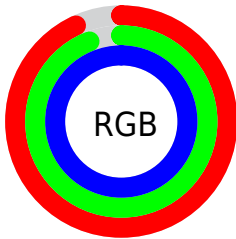
Format	Color
R_{YB}	236, 239, 255
Decimal	15528191
CIE Lab	94.90, 1.45, -7.67
CIE LCh	95, 7.810, 280.682
Yxy	87.3730, 0.3012, 0.3140
Android (android.graphics.Color)	4293718271 (0xFFE0F0FF)
YUV	240.5140, 7.1416, -3.9588
Hunter-Lab	93.4735, -3.5473, -2.4736

Details

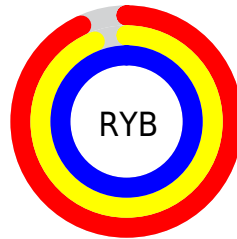
The XYZ color **83.8022, 87.3730, 107.0556** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.8769, 96.3087, 93.1583**, and the grayscale version is **83.1790, 87.5108, 95.2993**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.1559, 48.0615, 60.2702** is the 20% darker color. If you saturate the color by 10%, you get **70.3329, 72.1182, 104.8210**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

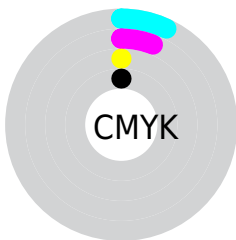
Distribution



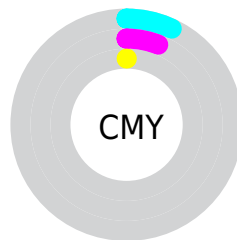
- Red (93%)
- Green (94%)
- Blue (100%)



- Red (93%)
- Yellow (94%)
- Blue (100%)



- Cyan (7%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.8022, 87.3730, 107.0556 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 83.8022, 87.3730, 107.0556 by changing the saturation by 10% instead.

83.8022, 87.3730,
107.0556

83.8022, 87.3730,
107.0556

496.1997,
519.4478, 604.0232

63.1713, 65.8039,
81.5563

137.6211,
143.6839, 172.9560

46.2390, 48.1133,
60.4662

171.5399,
179.1946, 214.1942

32.6399, 33.9166,
43.3667

210.6186,
220.1212, 261.5158

22.0086, 22.8295,
29.8394

255.2227,
266.8482, 315.3393

13.9799, 14.4677,
19.4657

305.7175,
319.7599, 376.0833

8.1883, 8.4467,
11.8271

362.4684,

4.2685, 4.3821,

379.2409, 444.1662

6.5049

425.8407,
445.6753, 520.0067

■ 1.8551, 1.8895,
3.0808

■ 0.5505, 0.5421,
1.1360

■ 83.8022, 87.3730,
107.0556

■ 83.8022, 87.3730,
107.0556

■ 70.3329, 72.1182,
104.8210

95.0500, 100.0000,
108.9000

■ 58.6550, 58.7283,
102.8520

■ 48.6936, 47.1337,
101.1390

■ 40.3659, 37.2565,
99.6715

■ 33.5821, 29.0128,
98.4378

■ 28.2435, 22.3111,
97.4256

■ 24.2392, 17.0508,
96.6213

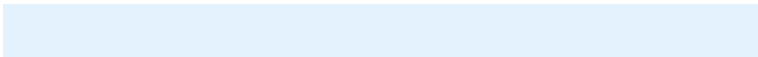
■ 21.4411, 13.1178,
96.0097

■ 19.6884, 10.3760,
95.5728

Harmonies

Analogous

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



81.7062, 87.3730, 106.5648



83.8022, 87.3730, 107.0556



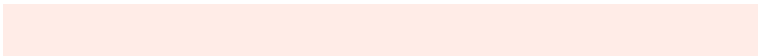
85.7271, 87.3730, 104.2512

Triad

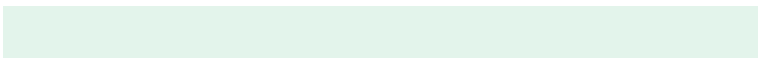
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.8022, 87.3730, 107.0556



86.1706, 87.3730, 87.7359



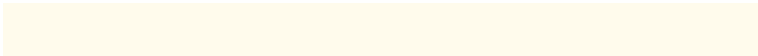
79.2631, 87.3730, 91.3299

Complementary

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



83.8022, 87.3730, 107.0556



90.8769, 96.3087, 93.1583

Split Complementary

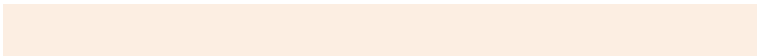
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.4202, 87.3730, 86.5652



83.8022, 87.3730, 107.0556



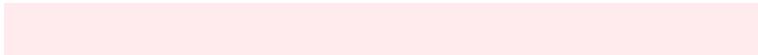
84.3992, 87.3730, 84.5519

Square

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



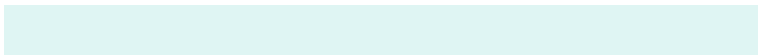
83.8022, 87.3730, 107.0556



87.1098, 87.3730, 92.9898



82.2932, 87.3730, 84.1327



79.1094, 87.3730, 97.3116

Rectangle

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



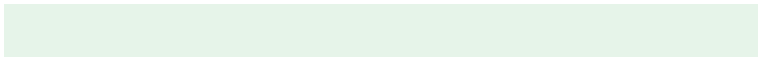
83.8022, 87.3730, 107.0556



86.6453, 87.3730, 100.9573



82.2932, 87.3730, 84.1327



79.5467, 87.3730, 89.5397

Sweetspot

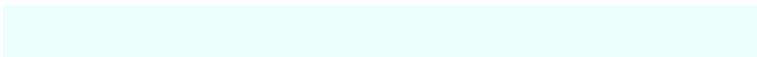
The Sweet Spot groups the original color and five complimentary colors.



83.8045, 87.3766, 107.0561



91.9278, 96.5040, 108.3898



87.7471, 96.3110, 105.1359



19.7091, 20.6925, 23.2052



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.



83.8045, 87.3766, 107.0561



81.5961, 84.8865, 106.6919



84.4533, 85.9808, 106.7525



17.3131, 17.9979, 22.8114



10.2004, 5.3104, 49.9220



1.0678, 0.6664, 4.8856

Inverse Universe

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



86.9651, 87.5438, 94.7563



85.3801, 85.1091, 91.9611



90.1880, 97.8296, 93.4882



18.1659, 18.0497, 19.4910



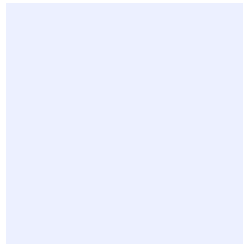
21.9369, 11.2641, 3.0523



2.1736, 1.1118, 0.4956

Previews

White Background



This preview shows how the XYZ color 83.8022, 87.3730, 107.0556 looks on a white background.

Color Contrast Check

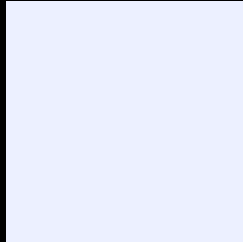
Large Text (above 18pt) WCAG AA × Fail

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 83.8022, 87.3730, 107.0556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

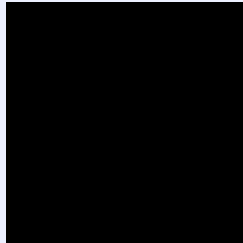
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.8022, 87.3730, 107.0556

Background



This preview shows how black text looks on a background with the XYZ color 83.8022, 87.3730, 107.0556.



This preview shows how white text looks on a background with the XYZ color 83.8022, 87.3730,

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

83.8022, 87.3730, 107.0556

Protanopia

84.6911, 87.4140, 106.1748

Deuteranopia

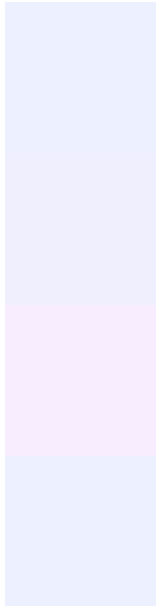
88.7128, 87.3256, 106.7876



Tritanopia

84.1351, 87.5447, 107.0712

Trichromacy



Original Color

83.8022, 87.3730, 107.0556

Protanomaly

84.3525, 87.2395, 106.1590

Deuteranomaly

86.7569, 87.1674, 106.8601

Tritanomaly

84.1351, 87.5447, 107.0712

Monochromacy



Original Color

83.8022, 87.3730, 107.0556

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

83.6865, 87.9151, 99.7473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.8022, 87.3730, 107.0556 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, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 240, 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, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 240, 255) }
```

Border

The CSS property to change the border of an element to XYZ 83.8022, 87.3730, 107.0556 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, 240, 255) }
```


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

```
.border{ border-color:rgb(236, 240, 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, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 240,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 83.8022, 87.3730, 107.0556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 240, 255) }
```

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

```
.background{ background-color: rgb(236,  
240, 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