

Converting Colors

XYZ(82.9037, 88.7219,
107.3633)

Have a look what the booklet for
XYZ(82.9037, 88.7219, 107.3633)
contains.

XYZ(83.0338, 88.7444, 107.3608)	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(83.0338, 88.7444,
107.3608)**

Conversions

Conversions Part 1

Format	Color
Hex	E6F4FF
RGB	230, 244, 255
RGB Percent	90%, 96%, 100%
CMY	0.0980, 0.0431, 0.0000
CMYK	0.10, 0.04, 0.00, 0.00
HSL	206°, 100%, 95%
HSV	206°, 10%, 100%
XYZ	83.0338, 88.7444, 107.3608
YIQ	241.0680, -11.8750, 0.4530

Conversions

Conversions Part 2

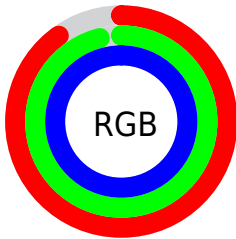
Format	Color
R _Y B	230, 239, 255
Decimal	15135999
CIE Lab	95.47, -2.51, -6.87
CIE LCh	95, 7.312, 249.923
Yxy	88.7444, 0.2975, 0.3179
Android (android.graphics.Color)	4293326079 (0xFFE6F4FF)
YUV	241.0680, 6.8685, -9.7066
Hunter-Lab	94.2042, -7.5234, -1.6275

Details

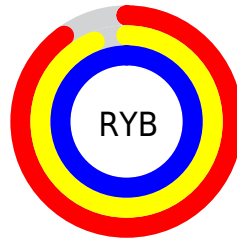
The XYZ color **83.0338, 88.7444, 107.3608** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.9775, 89.8818, 87.6291**, and the grayscale version is **83.6190, 87.9737, 95.8034**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.6318, 49.0423, 60.4871** is the 20% darker color. If you saturate the color by 10%, you get **72.1692, 78.2876, 105.9150**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

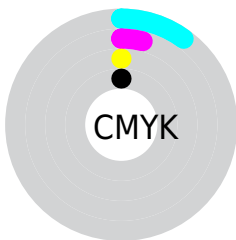
Distribution



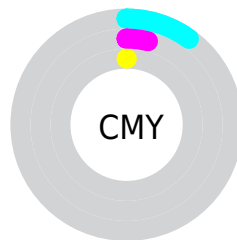
- Red (90%)
- Green (96%)
- Blue (100%)



- Red (90%)
- Yellow (94%)
- Blue (100%)



- Cyan (10%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.0338, 88.7444, 107.3608 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 83.0338, 88.7444, 107.3608 by changing the saturation by 10% instead.

83.0338, 88.7444,
107.3608

83.0338, 88.7444,
107.3608

493.6814,
523.9379, 604.9901

62.5350, 66.9397,
81.8109

136.5511,
145.5931, 173.3762

45.7224, 49.0357,
60.6748

170.3003,
181.4059, 214.6787

32.2305, 34.6478,
43.5339

209.1971,
222.6568, 262.0693

21.6940, 23.3917,
29.9697

253.6067,
269.7304, 315.9663

13.7476, 14.8830,
19.5638

303.8946,
323.0108, 376.7883

8.0258, 8.7373,
11.8974

360.4261,

4.1634, 4.5702,

382.8826, 444.9540

6.5522

423.5666,
449.7302, 520.8817

■ 1.7950, 1.9974,
3.1095

■ 0.5147, 0.6060,
1.1508

■ 83.0338, 88.7444,
107.3608

■ 83.0338, 88.7444,
107.3608

■ 72.1692, 78.2876,
105.9150

95.0500, 100.0000,
108.9000

■ 62.6494, 68.8210,
104.5896

■ 54.4173, 60.3123,
103.3811

■ 47.4091, 52.7227,
102.2855

■ 41.5547, 46.0104,
101.2985

■ 36.7764, 40.1293,
100.4151

■ 32.9859, 35.0275,
99.6302

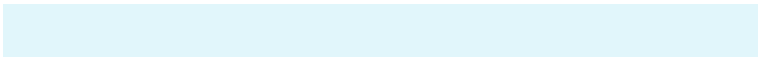
■ 30.0785, 30.6445,
98.9374

■ 27.8890, 26.8887,
98.3279

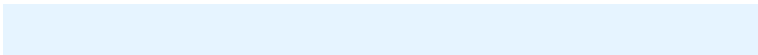
Harmonies

Analogous

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



81.4299, 88.7444, 103.8796



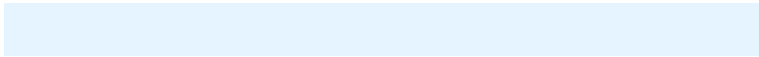
83.0338, 88.7444, 107.3608



85.0142, 88.7444, 107.9037

Triad

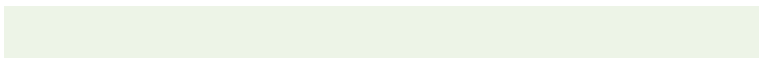
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.0338, 88.7444, 107.3608



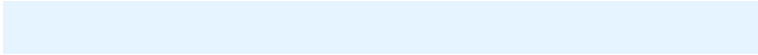
88.1994, 88.7444, 94.7395



81.9016, 88.7444, 88.4138

Complementary

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



83.0338, 88.7444, 107.3608



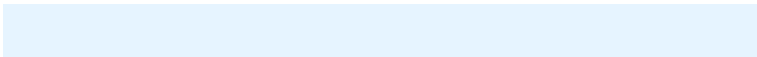
86.9775, 89.8818, 87.6291

Split Complementary

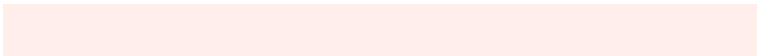
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6870, 88.7444, 86.1657



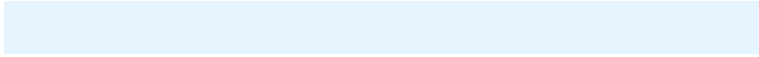
83.0338, 88.7444, 107.3608



87.3368, 88.7444, 89.7211

Square

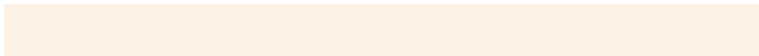
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



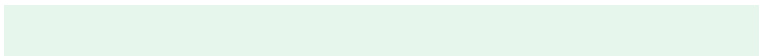
83.0338, 88.7444, 107.3608



88.0178, 88.7444, 100.4633



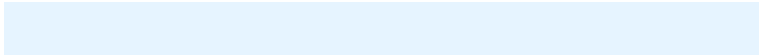
85.6778, 88.7444, 86.6346



80.7834, 88.7444, 92.8907

Rectangle

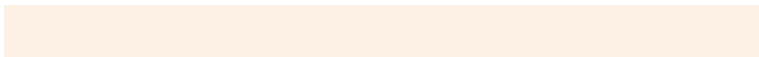
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.0338, 88.7444, 107.3608



86.2845, 88.7444, 106.5049



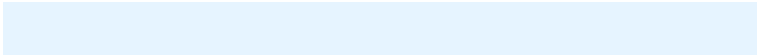
85.6778, 88.7444, 86.6346



82.4424, 88.7444, 87.3806

Sweetspot

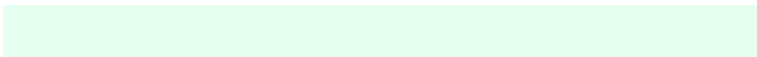
The Sweet Spot groups the original color and five complimentary colors.



83.0361, 88.7480, 107.3614



91.2273, 96.4499, 108.4162



84.2462, 94.6843, 96.9252



19.3124, 20.4446, 23.1783



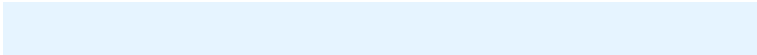
0.0000, 0.0000, 0.0000



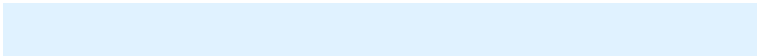
20.3446, 21.4041, 23.3091

Same Dimension

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



83.0361, 88.7480, 107.3614



80.5305, 86.3631, 107.0331



79.4472, 81.5701, 106.1650



17.8472, 19.0659, 22.9894



14.7034, 14.3163, 51.4230



1.5405, 1.6117, 5.0432

Inverse Universe

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



85.8673, 84.3867, 97.3549



83.9615, 81.1699, 94.8861



90.7539, 97.4346, 88.8879



18.4355, 18.1575, 20.9105



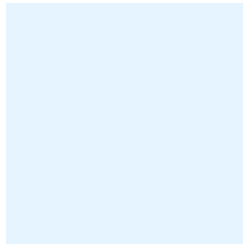
24.2098, 12.1732, 15.0210



2.4122, 1.2072, 1.7520

Previews

White Background



This preview shows how the XYZ color 83.0338, 88.7444, 107.3608 looks on a white background.

Color Contrast Check

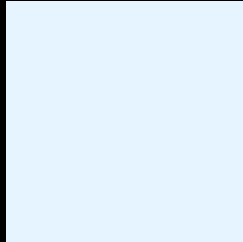
Large Text (above 18pt) WCAG AA × Fail

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 83.0338, 88.7444, 107.3608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

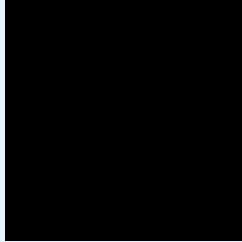
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

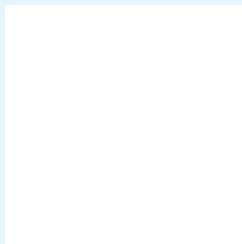
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.0338, 88.7444, 107.3608

Background



This preview shows how black text looks on a background with the XYZ color 83.0338, 88.7444, 107.3608.



This preview shows how white text looks on a background with the XYZ color 83.0338, 88.7444,

107.3608.

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

83.0338, 88.7444, 107.3608

Protanopia

85.8519, 88.4667, 105.4794

Deuteranopia

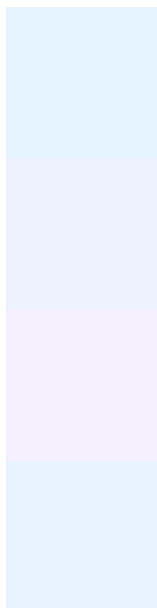
89.1248, 88.4067, 106.1327



Tritanopia

84.0631, 88.3864, 107.2374

Trichromacy



Original Color

83.0338, 88.7444, 107.3608

Protanomaly

84.6046, 88.2435, 106.3395

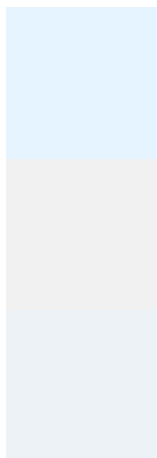
Deuteranomaly

86.7619, 88.4816, 106.2717

Tritanomaly

83.7049, 88.6448, 107.3062

Monochromacy



Original Color

83.0338, 88.7444, 107.3608

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

83.3117, 88.1626, 99.8149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.0338, 88.7444, 107.3608 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(230, 244, 255) looks like.

```
.text, #text, p{  
    color:rgb(230, 244, 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(230, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 244, 255) }
```

Border

The CSS property to change the border of an element to XYZ 83.0338, 88.7444, 107.3608 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(230, 244, 255) }
```


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

```
.border{ border-color:rgb(230, 244, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 244,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 83.0338, 88.7444, 107.3608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 244, 255) }
```

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

```
.background{ background-color: rgb(230,  
244, 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