

Converting Colors

XYZ(83.0498, 88.3044,
107.2750)

Have a look what the booklet for
XYZ(83.0498, 88.3044, 107.2750)
contains.

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Color

**XYZ(83.0556, 88.3101,
107.2758)**

Conversions

Conversions Part 1

Format	Color
Hex	E7F3FF
RGB	231, 243, 255
RGB Percent	91%, 95%, 100%
CMY	0.0941, 0.0470, 0.0000
CMYK	0.09, 0.05, 0.00, 0.00
HSL	210°, 100%, 95%
HSV	210°, 9%, 100%
XYZ	83.0556, 88.3101, 107.2758
YIQ	240.7800, -11.0040, 1.1880

Conversions

Conversions Part 2

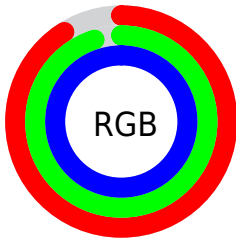
Format	Color
R _Y B	231, 239, 255
Decimal	15201279
CIE Lab	95.29, -1.68, -7.13
CIE LCh	95, 7.325, 256.715
Yxy	88.3101, 0.2981, 0.3169
Android (android.graphics.Color)	4293391359 (0xFFE7F3FF)
YUV	240.7800, 7.0105, -8.5771
Hunter-Lab	93.9735, -6.6917, -1.9013

Details

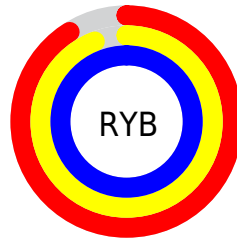
The XYZ color **83.0556, 88.3101, 107.2758** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.7137, 91.1289, 88.5695**, and the grayscale version is **83.3910, 87.7338, 95.5421**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.6426, 48.7318, 60.4266** is the 20% darker color. If you saturate the color by 10%, you get **71.7348, 77.0091, 105.6912**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

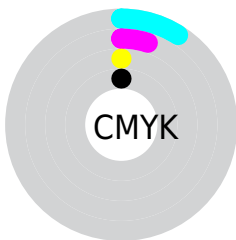
Distribution



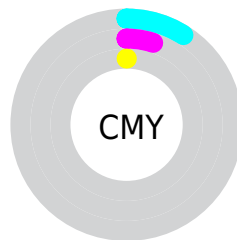
- Red (91%)
- Green (95%)
- Blue (100%)



- 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 83.0556, 88.3101, 107.2758 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 83.0556, 88.3101, 107.2758 by changing the saturation by 10% instead.

83.0556, 88.3101,
107.2758

83.0556, 88.3101,
107.2758

493.7529,
522.5182, 604.7209

62.5531, 66.5799,
81.7400

136.5814,
144.9888, 173.2592

45.7370, 48.7433,
60.6167

170.3355,
180.7061, 214.5438

32.2421, 34.4159,
43.4873

209.2374,
221.8546, 261.9152

21.7029, 23.2133,
29.9334

253.6526,
268.8186, 315.7917

13.7542, 14.7511,
19.5364

303.9464,
321.9826, 376.5920

8.0304, 8.6449,
11.8778

360.4842,

4.1664, 4.5103,

381.7309, 444.7346

6.5390

423.6312,
448.4480, 520.6381

■ 1.7967, 1.9629,
3.1015

■ 0.5157, 0.5858,
1.1467

■ 83.0556, 88.3101,
107.2758

■ 83.0556, 88.3101,
107.2758

■ 71.7348, 77.0091,
105.6912

95.0500, 100.0000,
108.9000

■ 61.8186, 66.8150,
104.2461

■ 53.2484, 57.6917,
102.9369

■ 45.9584, 49.5970,
101.7587

■ 39.8772, 42.4852,
100.7065

■ 34.9254, 36.3064,
99.7748

■ 31.0127, 31.0046,
98.9577

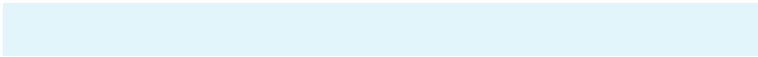
■ 28.0331, 26.5152,
98.2482

■ 25.8267, 22.7456,
97.6369

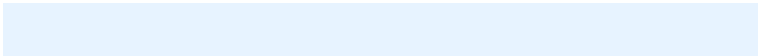
Harmonies

Analogous

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



81.3272, 88.3101, 104.3963



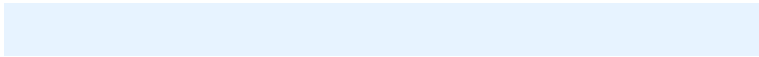
83.0556, 88.3101, 107.2758



85.0469, 88.3101, 107.0923

Triad

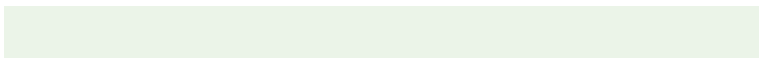
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.0556, 88.3101, 107.2758



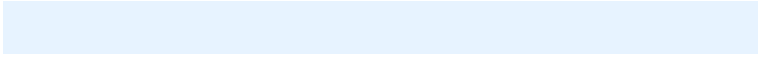
87.6730, 88.3101, 93.0219



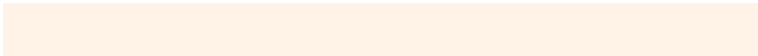
81.1679, 88.3101, 88.8001

Complementary

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



83.0556, 88.3101, 107.2758



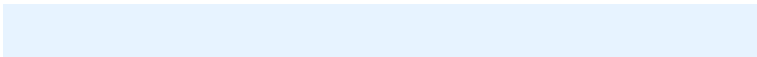
87.7137, 91.1289, 88.5695

Split Complementary

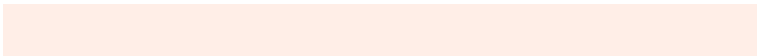
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.8350, 88.3101, 85.9883



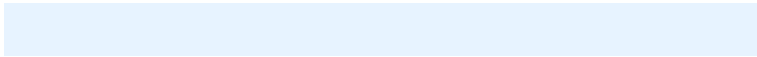
83.0556, 88.3101, 107.2758



86.6002, 88.3101, 88.3587

Square

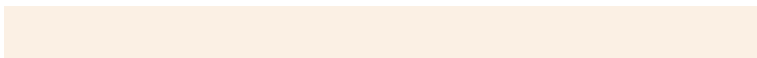
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.0556, 88.3101, 107.2758



87.7344, 88.3101, 98.7075



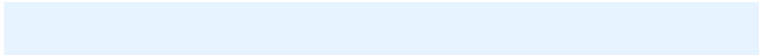
84.8228, 88.3101, 85.8300



80.2490, 88.3101, 93.6463

Rectangle

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



83.0556, 88.3101, 107.2758



86.2560, 88.3101, 105.2555



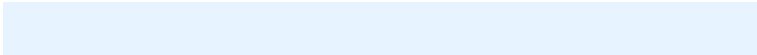
84.8228, 88.3101, 85.8300



81.6581, 88.3101, 87.5942

Sweetspot

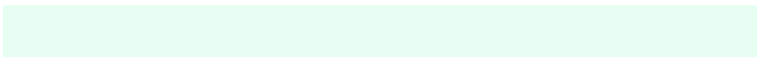
The Sweet Spot groups the original color and five complimentary colors.



83.0579, 88.3137, 107.2764



91.0836, 96.1625, 108.3683



84.8332, 94.9563, 98.3358



19.2736, 20.3670, 23.1653



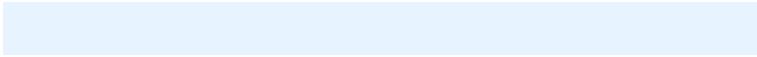
0.0000, 0.0000, 0.0000



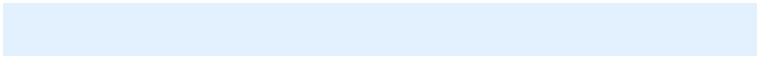
20.3446, 21.4041, 23.3091

Same Dimension

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



83.0579, 88.3137, 107.2764



81.1622, 86.4415, 107.0149



79.6943, 81.5865, 106.1552



17.7537, 18.8790, 22.9582



13.5834, 12.0763, 51.0496



1.4318, 1.3942, 5.0069

Inverse Universe

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



85.9950, 84.8844, 96.6502



84.5696, 82.5205, 94.6742



91.2966, 98.2947, 89.7638



18.3883, 18.1386, 20.6621



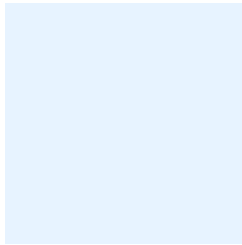
23.6445, 11.9471, 12.0441



2.3573, 1.1853, 1.4630

Previews

White Background



This preview shows how the XYZ color 83.0556, 88.3101, 107.2758 looks on a white background.

Color Contrast Check

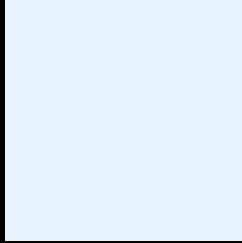
Large Text (above 18pt) WCAG AA × Fail

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 83.0556, 88.3101, 107.2758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

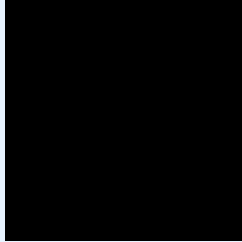
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

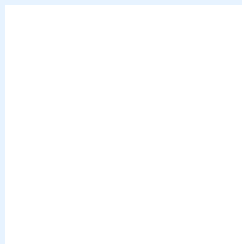
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.0556, 88.3101, 107.2758

Background



This preview shows how black text looks on a background with the XYZ color 83.0556, 88.3101, 107.2758.



This preview shows how white text looks on a background with the XYZ color 83.0556, 88.3101,

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

83.0556, 88.3101, 107.2758

Protanopia

85.5077, 88.2893, 105.4633

Deuteranopia

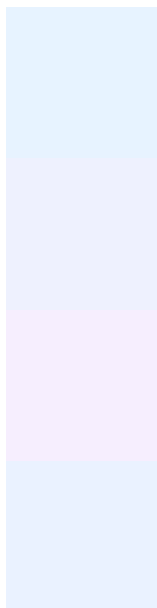
88.8377, 87.8324, 106.0370



Tritanopia

84.0631, 88.3864, 107.2374

Trichromacy



Original Color

83.0556, 88.3101, 107.2758

Protanomaly

84.6046, 88.2435, 106.3395

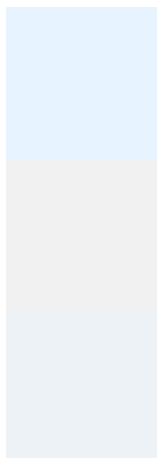
Deuteranomaly

86.4700, 87.8977, 106.1744

Tritanomaly

83.7338, 88.2167, 107.2220

Monochromacy



Original Color

83.0556, 88.3101, 107.2758

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 83.0556, 88.3101, 107.2758 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(231, 243, 255) looks like.

```
.text, #text, p{  
    color:rgb(231, 243, 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(231, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 243, 255) }
```

Border

The CSS property to change the border of an element to XYZ 83.0556, 88.3101, 107.2758 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(231, 243, 255) }
```


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

```
.border{ border-color:rgb(231, 243, 255) }
```

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

Here you see how a box with a 4 pixel rgb(231, 243, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 243,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 83.0556, 88.3101, 107.2758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 243, 255) }
```

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

```
.background{ background-color: rgb(231,  
243, 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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