

Converting Colors

XYZ(86.2289, 91.9991,
120.0520)

Have a look what the booklet for
XYZ(86.2289, 91.9991, 120.0520)
contains.

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Color

**XYZ(83.9305, 91.0128,
107.7514)**

Conversions

Conversions Part 1

Format	Color
Hex	E5F8FF
RGB	229, 248, 255
RGB Percent	90%, 97%, 100%
CMY	0.1020, 0.0274, 0.0000
CMYK	0.10, 0.03, 0.00, 0.00
HSL	196°, 100%, 95%
HSV	196°, 10%, 100%
XYZ	83.9305, 91.0128, 107.7514
YIQ	243.1170, -13.5710, -1.8510

Conversions

Conversions Part 2

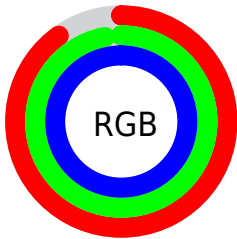
Format	Color
R _Y B	229, 240, 255
Decimal	15071487
CIE Lab	96.42, -4.86, -5.49
CIE LCh	96, 7.325, 228.486
Yxy	91.0128, 0.2969, 0.3219
Android (android.graphics.Color)	4293261567 (0xFFE5F8FF)
YUV	243.1170, 5.8583, -12.3806
Hunter-Lab	95.4006, -9.9124, -0.1854

Details

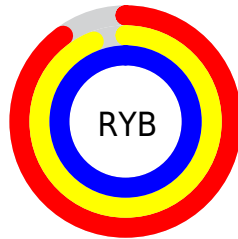
The XYZ color **83.9305, 91.0128, 107.7514** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.3777, 86.9063, 86.4050**, and the grayscale version is **85.2492, 89.6887, 97.6710**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2763, 50.6607, 60.7656** is the 20% darker color. If you saturate the color by 10%, you get **74.3138, 82.9835, 106.7084**, and if you desaturate by 10%, it is **94.8244, 99.8203, 108.8772**.

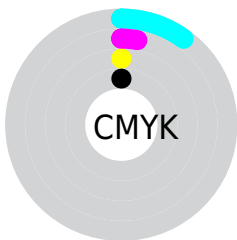
Distribution



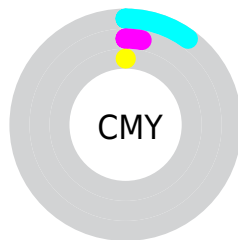
- Red (90%)
- Green (97%)
- Blue (100%)



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



- Cyan (10%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.9305, 91.0128, 107.7514 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 83.9305, 91.0128, 107.7514 by changing the saturation by 10% instead.

83.9305, 91.0128,
107.7514

83.9305, 91.0128,
107.7514

496.6196,
531.3200, 606.2264

63.2776, 68.8210,
82.1368

137.7997,
148.7444, 173.9137

46.3253, 50.5659,
60.9418

171.7467,
185.0530, 215.2985

32.7083, 35.8633,
43.7480

210.8558,
226.8359, 262.7772

22.0612, 24.3286,
30.1367

255.4923,
274.4776, 316.7681

14.0188, 15.5776,
19.6894

306.0215,
328.3625, 377.6900

8.2155, 9.2257,
11.9877

362.8089,

4.2861, 4.8887,

388.8749, 445.9613

6.6128

426.2198,
456.3993, 522.0006

■ 1.8652, 2.1821,
3.1464

■ 0.5565, 0.7102,
1.1699

■ 83.9305, 91.0128,
107.7514

■ 83.9305, 91.0128,
107.7514

■ 74.3138, 82.9835,
106.7084

94.8244, 99.8203,
108.8772

■ 65.9144, 75.6928,
105.7439

95.0500, 100.0000,
108.9000

■ 58.6782, 69.1141,
104.8554

■ 52.5439, 63.2145,
104.0400

■ 47.4445, 57.9583,
103.2942

■ 43.3051, 53.3055,
102.6143

■ 40.0401, 49.2107,
101.9960

■ 37.5475, 45.6198,
101.4343

■ 35.6919, 42.5039,
100.9306

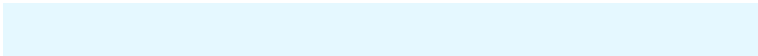
Harmonies

Analogous

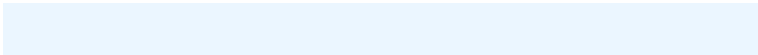
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.8371, 91.0128, 102.7030



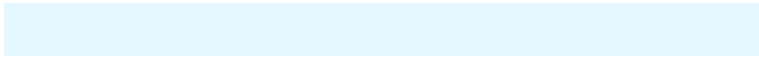
83.9305, 91.0128, 107.7514



85.7242, 91.0128, 110.5203

Triad

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



83.9305, 91.0128, 107.7514



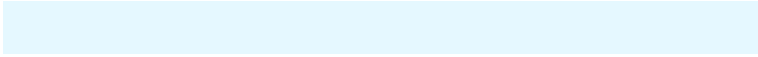
90.4066, 91.0128, 101.3573



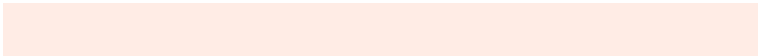
85.2669, 91.0128, 88.8185

Complementary

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



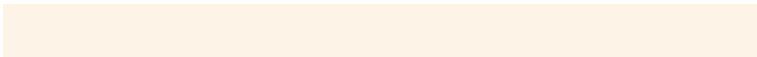
83.9305, 91.0128, 107.7514



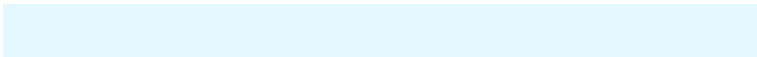
85.3777, 86.9063, 86.4050

Split Complementary

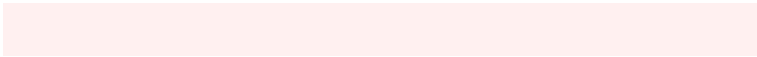
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.2904, 91.0128, 88.4901



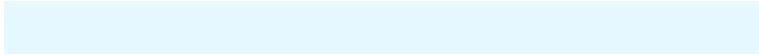
83.9305, 91.0128, 107.7514



90.2794, 91.0128, 95.5773

Square

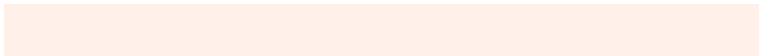
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.9305, 91.0128, 107.7514



89.4761, 91.0128, 106.7330



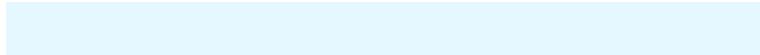
89.1315, 91.0128, 90.9198



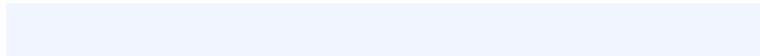
83.6003, 91.0128, 91.8351

Rectangle

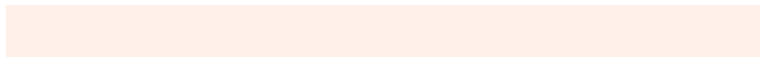
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.9305, 91.0128, 107.7514



87.0852, 91.0128, 110.6312



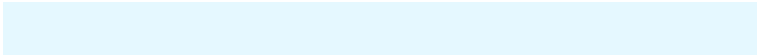
89.1315, 91.0128, 90.9198



85.9273, 91.0128, 88.3946

Sweetspot

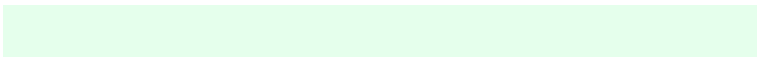
The Sweet Spot groups the original color and five complimentary colors.



83.9329, 91.0165, 107.7519



91.6382, 97.2717, 108.5532



83.2047, 94.2307, 93.1103



19.4235, 20.6666, 23.2153



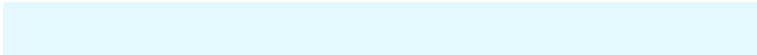
0.0000, 0.0000, 0.0000



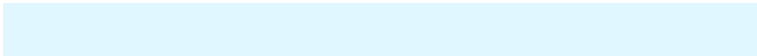
20.3446, 21.4041, 23.3091

Same Dimension

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



83.9329, 91.0165, 107.7519



82.1042, 89.5105, 107.5576



80.0917, 83.3342, 106.4716



18.1172, 19.6061, 23.0794



18.7797, 22.4690, 52.7817



1.9188, 2.3684, 5.1693

Inverse Universe

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



86.2040, 84.0775, 100.4965



84.7559, 81.4876, 99.0690



89.2384, 94.6277, 87.6919



18.5718, 18.2120, 21.6283



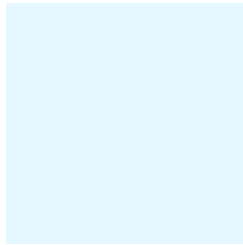
26.2673, 12.9962, 25.8559



2.6032, 1.2836, 2.7576

Previews

White Background



This preview shows how the XYZ color 83.9305, 91.0128, 107.7514 looks on a white background.

Color Contrast Check

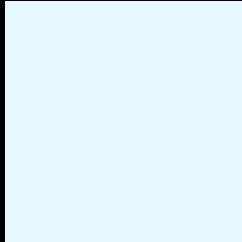
Large Text (above 18pt) WCAG AA × Fail

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 83.9305, 91.0128, 107.7514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

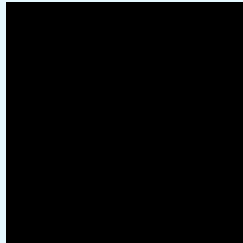
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

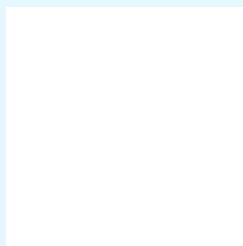
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.9305, 91.0128, 107.7514

Background



This preview shows how black text looks on a background with the XYZ color 83.9305, 91.0128, 107.7514.



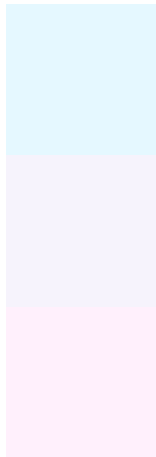
This preview shows how white text looks on a background with the XYZ color 83.9305, 91.0128,

107.7514.

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

83.9305, 91.0128, 107.7514

Protanopia

87.6273, 90.7223, 104.9882

Deuteranopia

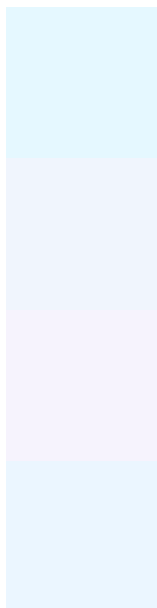
89.9708, 90.6085, 104.8427



Tritanopia

85.9623, 90.7020, 107.5843

Trichromacy



Original Color

83.9305, 91.0128, 107.7514

Protanomaly

86.3172, 90.9219, 105.9288

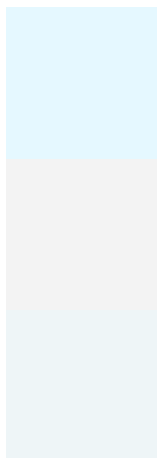
Deuteranomaly

87.7863, 90.7859, 105.8251

Tritanomaly

85.2667, 90.7937, 107.6386

Monochromacy



Original Color

83.9305, 91.0128, 107.7514

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.7008, 90.1974, 100.9413

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.9305, 91.0128, 107.7514 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(229, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 248, 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(229, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 248, 255) }
```

Border

The CSS property to change the border of an element to XYZ 83.9305, 91.0128, 107.7514 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(229, 248, 255) }
```


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

```
.border{ border-color:rgb(229, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 248, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 248, 255); box-shadow:4px 4px 4px 4px rgb(229, 248, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 83.9305, 91.0128, 107.7514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 248, 255) }
```

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

```
.background{ background-color: rgb(229,  
248, 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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