

Converting Colors

XYZ(83.0862, 90.6066,
107.7175)

Have a look what the booklet for
XYZ(83.0862, 90.6066, 107.7175)
contains.

XYZ(82.9814, 90.5236, 107.7069)	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(82.9814, 90.5236,
107.7069)**

Conversions

Conversions Part 1

Format	Color
Hex	E2F8FF
RGB	226, 248, 255
RGB Percent	89%, 97%, 100%
CMY	0.1137, 0.0274, 0.0000
CMYK	0.11, 0.03, 0.00, 0.00
HSL	194°, 100%, 94%
HSV	194°, 11%, 100%
XYZ	82.9814, 90.5236, 107.7069
YIQ	242.2200, -15.3590, -2.4870

Conversions

Conversions Part 2

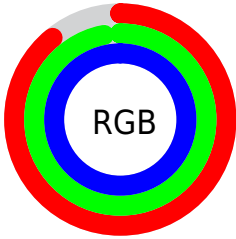
Format	Color
R _Y B	226, 239, 255
Decimal	14874879
CIE _{Lab}	96.21, -5.80, -5.81
CIE _{LCh}	96, 8.207, 225.025
Y _{xy}	90.5236, 0.2951, 0.3219
Android (android.graphics.Color)	4293064959 (0xFFE2F8FF)
Y _{UV}	242.2200, 6.3005, -14.2249
Hunter-Lab	95.1439, -10.8199, -0.5181

Details

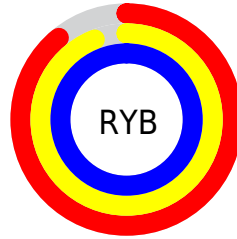
The XYZ color **82.9814, 90.5236, 107.7069** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.1057, 85.0269, 83.9320**, and the grayscale version is **84.5347, 88.9371, 96.8525**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.8373, 50.4344, 60.7450** is the 20% darker color. If you saturate the color by 10%, you get **73.7127, 82.9865, 106.7407**, and if you desaturate by 10%, it is **93.5062, 98.8054, 108.7508**.

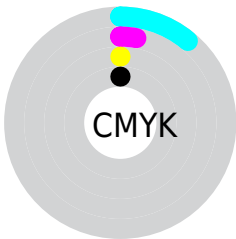
Distribution



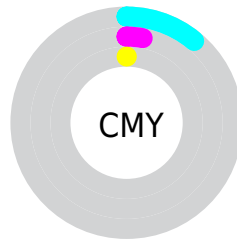
- Red (89%)
- Green (97%)
- Blue (100%)



- Red (89%)
- Yellow (94%)
- Blue (100%)



- Cyan (11%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.9814, 90.5236, 107.7069 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 82.9814, 90.5236, 107.7069 by changing the saturation by 10% instead.

82.9814, 90.5236,
107.7069

82.9814, 90.5236,
107.7069

493.5094,
529.7326, 606.0856

62.4917, 68.4150,
82.0997

136.4781,
148.0655, 173.8525

45.6872, 50.2354,
60.9114

170.2157,
184.2676, 215.2280

32.2026, 35.6005,
43.7236

209.1000,
225.9362, 262.6965

21.6726, 24.1258,
30.1176

253.4964,
273.4559, 316.6768

13.7318, 15.4270,
19.6751

303.7702,
327.2110, 377.5873

8.0148, 9.1196,
11.9774

360.2867,

4.1563, 4.8193,

387.5859, 445.8466

6.6059

423.4113,
454.9650, 521.8732

■ 1.7909, 2.1416,
3.1422

■ 0.5122, 0.6879,
1.1677

■ 82.9814, 90.5236,
107.7069

■ 82.9814, 90.5236,
107.7069

■ 73.7127, 82.9865,
106.7407

■ 93.5062, 98.8054,
108.7508

■ 65.6400, 76.1548,
105.8475

■ 95.0500, 100.0000,
108.9000

■ 58.7089, 70.0022,
105.0252

■ 52.8578, 64.4960,
104.2708

■ 48.0192, 59.6003,
103.5809

■ 44.1172, 55.2753,
102.9517

■ 41.0650, 51.4752,
102.3791

■ 38.7583, 48.1453,
101.8579

■ 37.2290, 45.5781,
101.4430

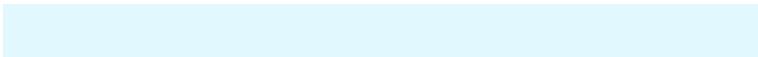
Harmonies

Analogous

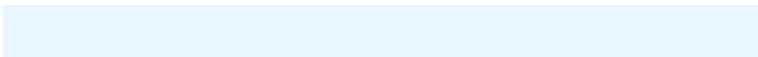
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.8790, 90.5236, 101.8524



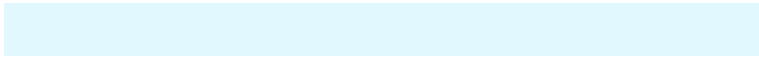
82.9814, 90.5236, 107.7069



84.9132, 90.5236, 111.1852

Triad

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



82.9814, 90.5236, 107.7069



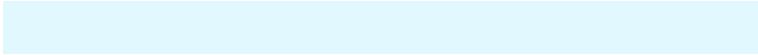
90.3406, 90.5236, 101.8415



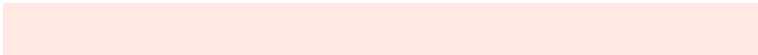
84.9096, 90.5236, 86.9401

Complementary

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



82.9814, 90.5236, 107.7069



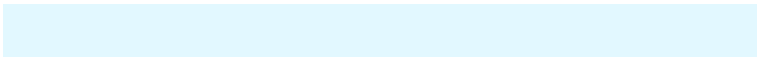
84.1057, 85.0269, 83.9320

Split Complementary

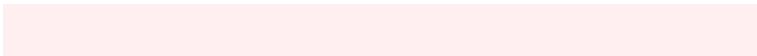
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.1766, 90.5236, 86.9375



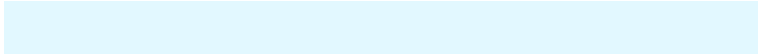
82.9814, 90.5236, 107.7069



90.3396, 90.5236, 95.3488

Square

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



82.9814, 90.5236, 107.7069



89.1756, 90.5236, 107.6987



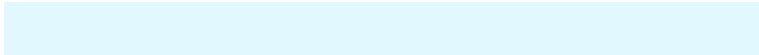
89.1728, 90.5236, 89.9553



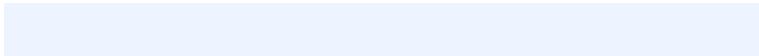
82.9788, 90.5236, 89.9626

Rectangle

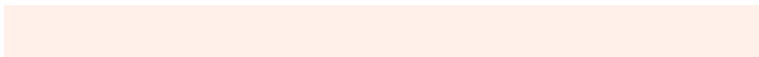
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



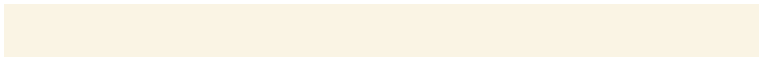
82.9814, 90.5236, 107.7069



86.4242, 90.5236, 111.5951



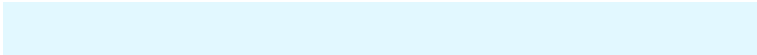
89.1728, 90.5236, 89.9553



85.6569, 90.5236, 86.5905

Sweetspot

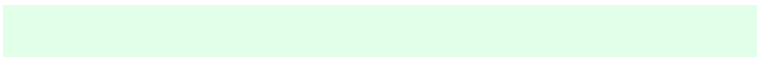
The Sweet Spot groups the original color and five complimentary colors.



82.9838, 90.5273, 107.7075



91.7055, 97.4062, 108.5756



81.7995, 93.5590, 90.6647



19.4417, 20.7030, 23.2213



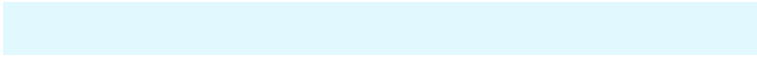
0.0000, 0.0000, 0.0000



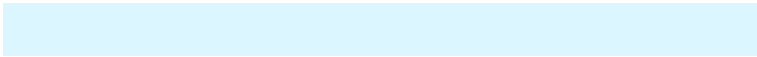
20.3446, 21.4041, 23.3091

Same Dimension

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



82.9838, 90.5273, 107.7075



80.4280, 88.4751, 107.4461



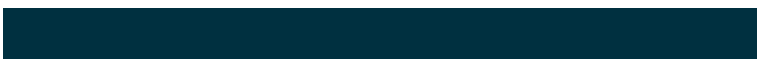
78.7620, 82.0838, 106.3003



18.1618, 19.6953, 23.0943



19.5752, 24.0599, 53.0469



1.9906, 2.5119, 5.1932

Inverse Universe

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



85.3810, 82.4315, 100.2222



83.3442, 78.7574, 98.3111



88.3103, 93.4362, 85.3335



18.5943, 18.2210, 21.7469



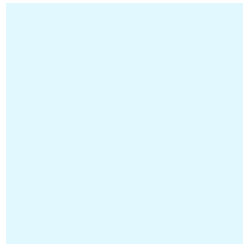
26.6688, 13.1568, 27.9703



2.6394, 1.2981, 2.9483

Previews

White Background



This preview shows how the XYZ color 82.9814, 90.5236, 107.7069 looks on a white background.

Color Contrast Check

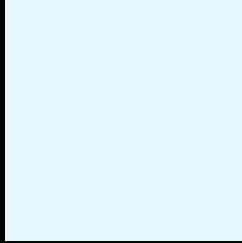
Large Text (above 18pt) WCAG AA × Fail

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 82.9814, 90.5236, 107.7069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

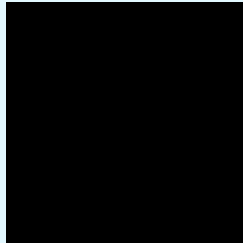
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

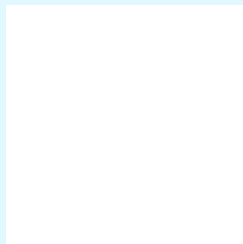
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.9814, 90.5236, 107.7069

Background



This preview shows how black text looks on a background with the XYZ color 82.9814, 90.5236, 107.7069.



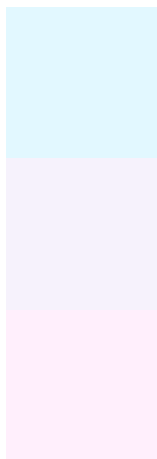
This preview shows how white text looks on a background with the XYZ color 82.9814, 90.5236,

107.7069.

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

82.9814, 90.5236, 107.7069

Protanopia

87.3289, 90.1254, 104.8887

Deuteranopia

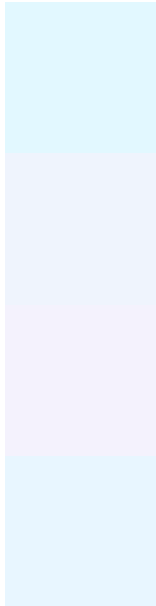
89.6772, 90.0213, 104.7448



Tritanopia

85.2945, 90.3577, 107.5530

Trichromacy



Original Color

82.9814, 90.5236, 107.7069

Protanomaly

85.6769, 90.1439, 105.8124

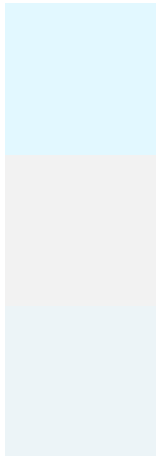
Deuteranomaly

86.7900, 89.8292, 105.6930

Tritanomaly

84.2845, 90.2873, 107.5927

Monochromacy



Original Color

82.9814, 90.5236, 107.7069

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

83.7313, 89.2496, 100.8095

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.9814, 90.5236, 107.7069 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(226, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 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(226, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 248, 255) }
```

Border

The CSS property to change the border of an element to XYZ 82.9814, 90.5236, 107.7069 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(226, 248, 255) }
```


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

```
.border{ border-color:rgb(226, 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(226, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 248,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 82.9814, 90.5236, 107.7069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 248, 255) }
```

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

```
.background{ background-color: rgb(226,  
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](#).

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