

# Converting Colors

XYZ(81.6988, 89.4287,  
104.0758)

Have a look what the booklet for  
XYZ(81.6988, 89.4287, 104.0758)  
contains.

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# Color

**XYZ(81.7247, 89.4941,  
104.2335)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1F7FB
RGB	225, 247, 251
RGB Percent	88%, 97%, 98%
CMY	0.1176, 0.0314, 0.0157
CMYK	0.10, 0.02, 0.00, 0.02
HSL	189°, 76%, 93%
HSV	189°, 10%, 98%
XYZ	81.7247, 89.4941, 104.2335
YIQ	240.8780, -14.3960, -3.4200

# Conversions

## Conversions Part 2

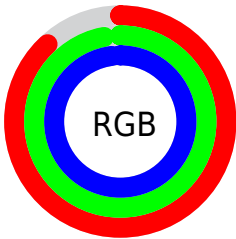
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	225, 237, 251
Decimal	14809083
CIE <sub>Lab</sub>	95.79, -6.38, -4.38
CIE <sub>LCh</sub>	96, 7.741, 214.428
Y <sub>xy</sub>	89.4941, 0.2967, 0.3249
Android (android.graphics.Color)	4292999163 (0xFFE1F7FB)
Y <sub>UV</sub>	240.8780, 4.9901, -13.9250
Hunter-Lab	94.6013, -11.3488, 0.8941

# Details

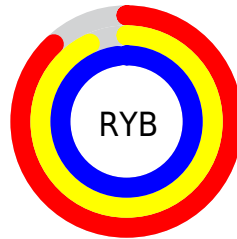
The XYZ color **81.7247, 89.4941, 104.2335** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.3941, 81.9837, 82.7703**, and the grayscale version is **83.4854, 87.8332, 95.6503**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.0587, 49.7478, 58.8572** is the 20% darker color. If you saturate the color by 10%, you get **73.3008, 83.4204, 103.5065**, and if you desaturate by 10%, it is **91.3284, 96.2171, 105.0264**.

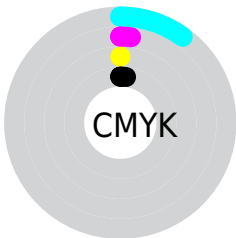
# Distribution



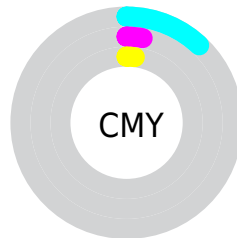
- Red (88%)
- Green (97%)
- Blue (98%)



- Red (88%)
- Yellow (93%)
- Blue (98%)



- Cyan (10%)
- Magenta (2%)
- Yellow (0%)
- Black (2%)



- Cyan (12%)
- Magenta (3%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.7247, 89.4941, 104.2335 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 81.7247, 89.4941, 104.2335 by changing the saturation by 10% instead.



81.7247, 89.4941,  
104.2335

81.7247, 89.4941,  
104.2335

489.3748,  
526.3838, 595.0443

61.4520, 67.5611,  
79.2043

134.7257,  
146.6355, 169.0653

44.8439, 49.5408,  
58.5415

168.1847,  
182.6127, 209.7051

31.5353, 35.0487,  
41.8265

206.7698,  
224.0401, 256.3853

21.1606, 23.7004,  
28.6409

250.8464,  
271.3021, 309.5247

13.3546, 15.1115,  
18.5661

300.7799,  
324.7830, 369.5418

7.7518, 8.8977,  
11.1836

356.9355,

3.9870, 4.6745,

384.8674, 436.8550

6.0747

419.6787,  
451.9395, 511.8830

■ 1.6948, 2.0576,  
2.8210

■ 0.4530, 0.6406,  
1.0040

■ 81.7247, 89.4941,  
104.2335

■ 81.7247, 89.4941,  
104.2335

■ 73.3008, 83.4204,  
103.5065

■ 91.3284, 96.2171,  
105.0264

■ 65.9988, 77.9587,  
102.8372

■ 94.3241, 99.5676,  
105.5152

■ 59.7676, 73.0847,  
102.2248

■ 94.4128, 99.7451,  
105.5448

■ 54.5488, 68.7683,  
101.6667

■ 50.2784, 64.9762,  
101.1599

■ 46.8851, 61.6713,  
100.7008

■ 44.2869, 58.8113,  
100.2857

■ 42.3862, 56.3456,  
99.9100

■ 41.0617, 54.2628,  
99.5777

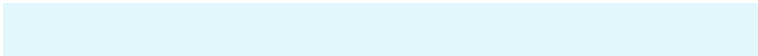
# Harmonies

## Analogous

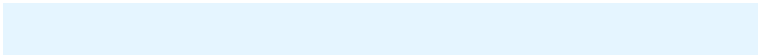
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.0394, 89.4941, 98.3532



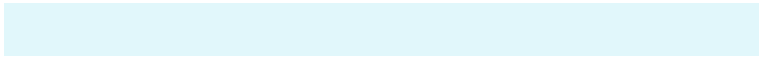
81.7247, 89.4941, 104.2335



83.3042, 89.4941, 108.4226

# Triad

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



81.7247, 89.4941, 104.2335



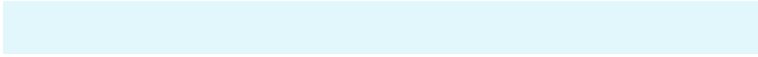
88.8132, 89.4941, 102.5999



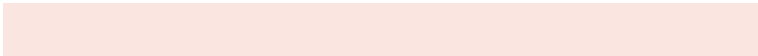
84.7453, 89.4941, 86.2009

# Complementary

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



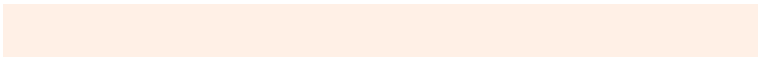
81.7247, 89.4941, 104.2335



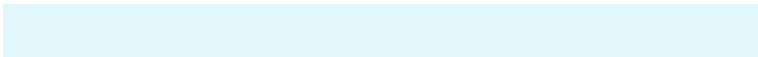
81.3941, 81.9837, 82.7703

# 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.



86.8432, 89.4941, 87.2324



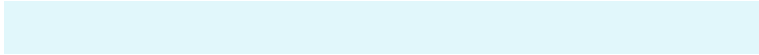
81.7247, 89.4941, 104.2335



89.2145, 89.4941, 96.5402

# Square

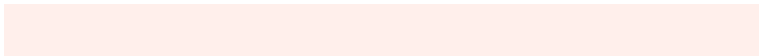
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.7247, 89.4941, 104.2335



87.4003, 89.4941, 107.4522



88.4878, 89.4941, 90.9557

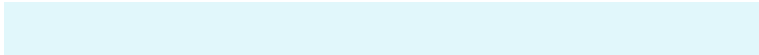


82.7647, 89.4941, 88.0771

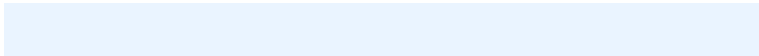


# Rectangle

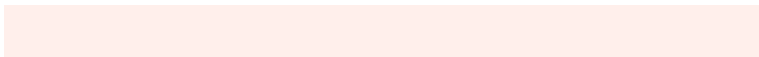
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



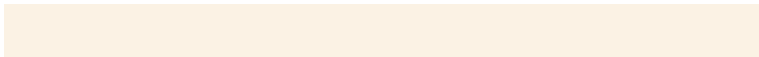
81.7247, 89.4941, 104.2335



84.6641, 89.4941, 109.6022



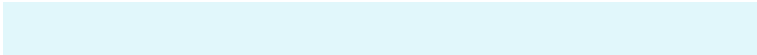
88.4878, 89.4941, 90.9557



85.4601, 89.4941, 86.2197

# Sweetspot

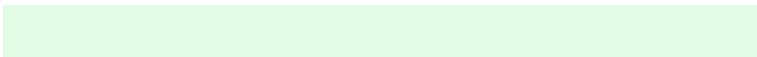
The Sweet Spot groups the original color and five complimentary colors.



81.7273, 89.4979, 104.2355



91.9174, 97.8299, 108.6462



79.6789, 90.6550, 87.3558



19.4990, 20.8177, 23.2405



0.0000, 0.0000, 0.0000

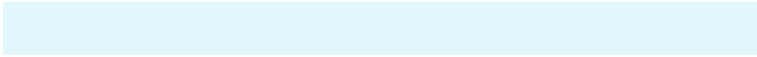


20.3446, 21.4041, 23.3091

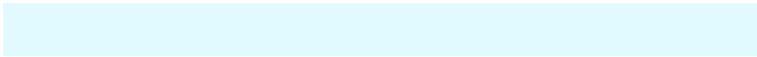


# Same Dimension

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



81.7273, 89.4979, 104.2355



83.1924, 91.6869, 107.9204



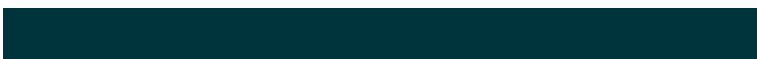
77.9168, 81.8768, 102.9653



17.5252, 19.1273, 22.1535



21.6708, 28.6972, 52.3705



2.0665, 2.7766, 4.8702



# Inverse Universe

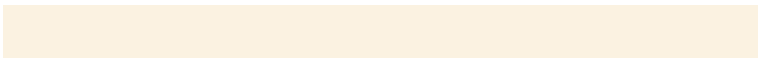
The Inverse Universe completely reimagines the original color for something new.



83.4994, 81.0769, 99.2485



85.3052, 81.7073, 101.9615



85.0981, 89.3918, 84.0049



17.8716, 17.4760, 21.1798



27.2305, 13.3079, 34.2516

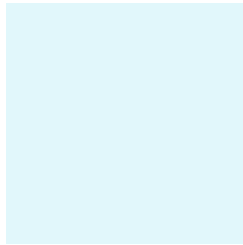


2.5520, 1.2445, 3.3301



# Previews

## White Background



This preview shows how the XYZ color 81.7247, 89.4941, 104.2335 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

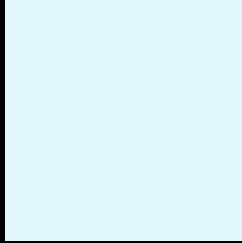
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.7247, 89.4941, 104.2335 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

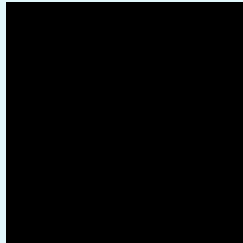
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

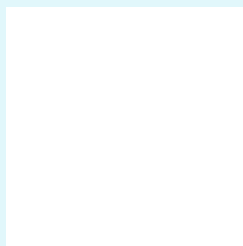
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 81.7247, 89.4941, 104.2335

## Background



This preview shows how black text looks on a background with the XYZ color 81.7247, 89.4941, 104.2335.



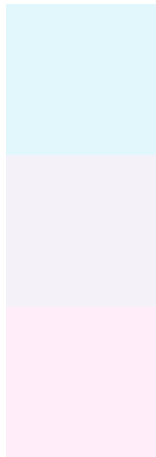
This preview shows how white text looks on a background with the XYZ color 81.7247, 89.4941,

104.2335.

# 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

81.7247, 89.4941, 104.2335

### Protanopia

86.0548, 89.1004, 101.4695

### Deuteranopia

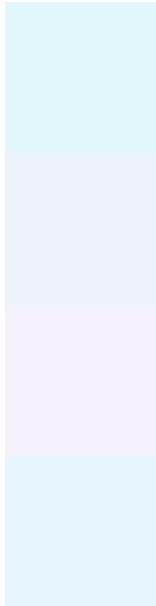
89.0699, 89.3112, 102.9868



## Tritanopia

84.3324, 89.4138, 107.4215

# Trichromacy



## Original Color

81.7247, 89.4941, 104.2335

## Protanomaly

84.4094, 89.1179, 102.3752

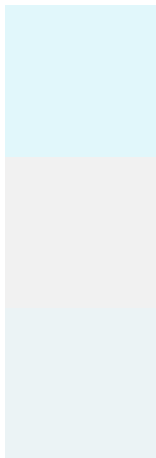
## Deuteranomaly

86.0188, 89.0458, 103.0964

## Tritanomaly

83.4968, 89.4495, 106.6307

# Monochromacy



## Original Color

81.7247, 89.4941, 104.2335

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

82.7930, 88.3559, 99.0769

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.7247, 89.4941, 104.2335 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(225, 247, 251)` looks like.

```
.text, #text, p{  
    color:rgb(225, 247, 251)  
}
```

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(225, 247, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 247, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 81.7247, 89.4941, 104.2335 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(225, 247, 251) }
```



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

```
.border{ border-color:rgb(225, 247, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 247, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 247, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 247, 251);  
box-shadow:4px 4px 4px 4px rgb(225, 247,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.7247, 89.4941, 104.2335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 247, 251) }
```

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

```
.background{ background-color: rgb(225,  
247, 251) }
```

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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