

# Converting Colors

XYZ(90.1867, 105.9688,  
122.6152)

Have a look what the booklet for  
XYZ(90.1867, 105.9688, 122.6152)  
contains.

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# **Color**

**XYZ(81.8343, 93.1871,  
108.2815)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7FFFF
RGB	215, 255, 255
RGB Percent	84%, 100%, 100%
CMY	0.1569, 0.0000, 0.0000
CMYK	0.16, 0.00, 0.00, 0.00
HSL	180°, 100%, 92%
HSV	180°, 16%, 100%
XYZ	81.8343, 93.1871, 108.2815
YIQ	243.0400, -23.8400, -8.4800

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	215, 235, 255
Decimal	14155775
CIE Lab	97.30, -12.71, -4.28
CIE LCh	97, 13.412, 198.610
Yxy	93.1871, 0.2889, 0.3289
Android (android.graphics.Color)	4292345855 (0xFFD7FFFF)
YUV	243.0400, 5.8963, -24.5911
Hunter-Lab	96.5335, -17.6138, 1.0679

# Details

The XYZ color **81.8343, 93.1871, 108.2815** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.8071, 74.7684, 74.6224**, and the grayscale version is **85.1909, 89.6275, 97.6044**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.8843, 51.9390, 61.0856** is the 20% darker color. If you saturate the color by 10%, you get **74.9211, 89.6232, 107.9580**, and if you desaturate by 10%, it is **89.9159, 97.3533, 108.6597**.

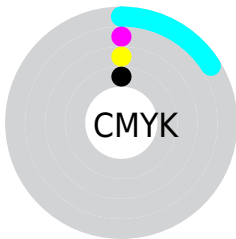
# Distribution



- Red (84%)
- Green (100%)
- Blue (100%)



- Red (84%)
- Yellow (92%)
- Blue (100%)



- Cyan (16%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (0%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.8343, 93.1871, 108.2815 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 81.8343, 93.1871, 108.2815 by changing the saturation by 10% instead.




 81.8343, 93.1871,  
108.2815

 81.8343, 93.1871,  
108.2815


489.7362,  
538.3447, 607.9020

 61.5426, 70.6270,  
82.5792


134.8786,  
151.7576, 174.6430

 44.9174, 52.0379,  
61.3045


168.3620,  
188.5369, 216.1392

 31.5934, 37.0353,  
44.0388

206.9733,  
230.8246, 263.7372

 21.2051, 25.2348,  
30.3636

251.0779,  
279.0052, 317.8555

 13.3874, 16.2521,  
19.8603

301.0411,  
333.4632, 378.9125

 7.7747, 9.7027,  
12.1105

357.2283,

 4.0017, 5.2023,

394.5828, 447.3270

6.6955

420.0049,  
462.7485, 523.5173

■ 1.7031, 2.3664,  
3.1969

■ 0.4582, 0.8085,  
1.1960

■ 81.8343, 93.1871,  
108.2815

■ 81.8343, 93.1871,  
108.2815

■ 74.9211, 89.6232,  
107.9580

■ 89.9159, 97.3533,  
108.6597

■ 69.1203, 86.6328,  
107.6865

95.0500, 100.0000,  
108.9000

■ 64.3745, 84.1862,  
107.4644

■ 60.6203, 82.2509,  
107.2887

■ 57.7875, 80.7905,  
107.1561

■ 55.7967, 79.7642,  
107.0630

■ 54.5552, 79.1242,  
107.0049

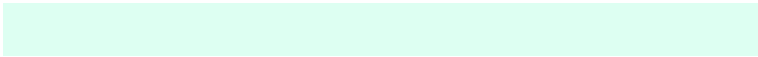
■ 53.9480, 78.8112,  
106.9765

■ 53.8100, 78.7400,  
106.9700

# Harmonies

## Analogous

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



81.6089, 93.1871, 97.3935



81.8343, 93.1871, 108.2815



83.8339, 93.1871, 117.9652

# Triad

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



81.8343, 93.1871, 108.2815



94.1597, 93.1871, 115.9194



90.0204, 93.1871, 82.3257

# Complementary

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



81.8343, 93.1871, 108.2815



77.8071, 74.7684, 74.6224

# 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.



93.4844, 93.1871, 86.5798



81.8343, 93.1871, 108.2815



95.9194, 93.1871, 105.6482

# Square

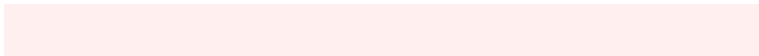
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.8343, 93.1871, 108.2815



90.9208, 93.1871, 122.5875



95.6688, 93.1871, 94.9406



86.2631, 93.1871, 82.9197

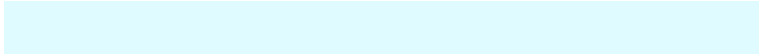


# Rectangle

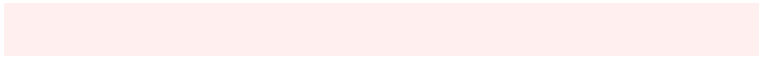
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.8343, 93.1871, 108.2815



85.9367, 93.1871, 122.1947



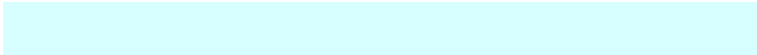
95.6688, 93.1871, 94.9406



91.2597, 93.1871, 83.2231

# Sweetspot

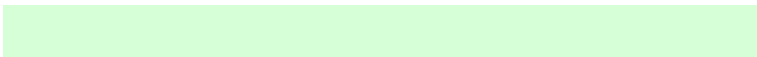
The Sweet Spot groups the original color and five complimentary colors.



81.8350, 93.1874, 108.2815



90.5138, 97.6615, 108.6877



76.0510, 90.8738, 77.8236



19.2425, 20.8360, 23.2575



0.0000, 0.0000, 0.0000

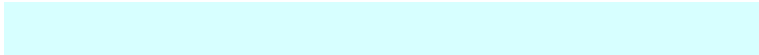


20.3446, 21.4041, 23.3091



# Same Dimension

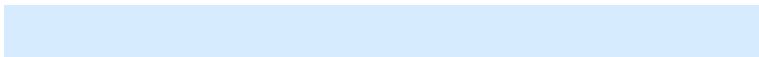
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.8350, 93.1874, 108.2815



79.4166, 91.9407, 108.1684



75.7837, 81.0847, 106.2644



18.5550, 20.4815, 23.2253



28.1169, 41.1433, 55.8941



2.7376, 4.0060, 5.4422



# Inverse Universe

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



83.5910, 77.0820, 105.0803



81.4940, 72.8879, 104.3813



83.2147, 85.5837, 76.4249



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340



# Previews

## White Background



This preview shows how the XYZ color 81.8343, 93.1871, 108.2815 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

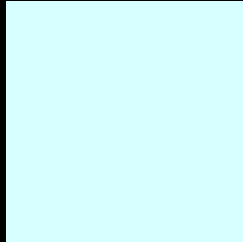
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.8343, 93.1871, 108.2815 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

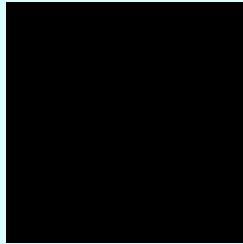
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 81.8343, 93.1871, 108.2815

## Background



This preview shows how black text looks on a background with the XYZ color 81.8343, 93.1871, 108.2815.



This preview shows how white text looks on a background with the XYZ color 81.8343, 93.1871,



# Color Blindness Simulation

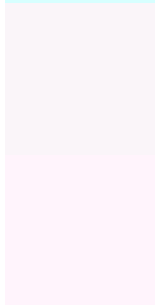
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

81.8343, 93.1871, 108.2815



### Protanopia

89.1756, 92.4684, 102.7707

### Deuteranopia

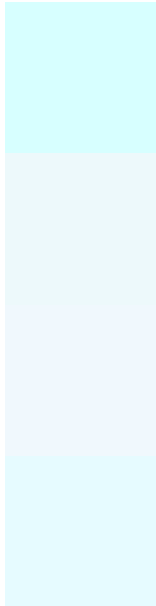
91.1614, 92.9896, 105.2395



## Tritanopia

87.1856, 93.1485, 107.9920

# Trichromacy



## Original Color

81.8343, 93.1871, 108.2815

## Protanomaly

86.2133, 92.7209, 104.6198

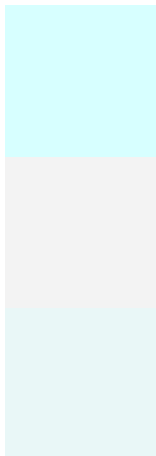
## Deuteranomaly

87.2322, 92.7519, 106.2338

## Tritanomaly

85.1803, 93.0374, 108.0763

# Monochromacy



## Original Color

81.8343, 93.1871, 108.2815

## Achromatopsia

85.1904, 89.6269, 97.6037

## Achromatomaly

83.6535, 90.5606, 101.0666

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.8343, 93.1871, 108.2815 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(215, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 255, 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(215, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 255, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 81.8343, 93.1871, 108.2815 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".

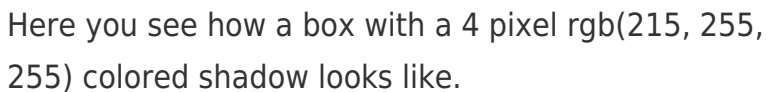
```
.border, #border, table{ border:4px solid rgb(215, 255, 255) }
```



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

```
.border{ border-color:rgb(215, 255, 255) }
```

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



Here you see how a box with a 4 pixel rgb(215, 255, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 255, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 255, 255); box-shadow:4px 4px 4px 4px rgb(215, 255, 255) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.8343, 93.1871, 108.2815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 255, 255) }
```

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

```
.background{ background-color: rgb(215,  
255, 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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