

Converting Colors

XYZ(81.0343, 92.9268,
101.3721)

Have a look what the booklet for
XYZ(81.0343, 92.9268, 101.3721)
contains.

XYZ(81.1638, 92.9871, 101.6662)	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(81.1638, 92.9871,
101.6662)**

Conversions

Conversions Part 1

Format	Color
Hex	D9FFF7
RGB	217, 255, 247
RGB Percent	85%, 100%, 97%
CMY	0.1490, 0.0000, 0.0314
CMYK	0.15, 0.00, 0.03, 0.00
HSL	167°, 100%, 93%
HSV	167°, 15%, 100%
XYZ	81.1638, 92.9871, 101.6662
YIQ	242.7260, -20.0800, -10.5440

Conversions

Conversions Part 2

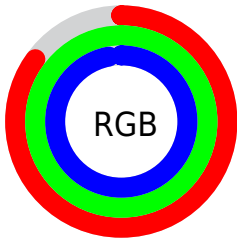
Format	Color
R_{YB}	217, 238, 255
Decimal	14286839
CIE _{Lab}	97.22, -13.66, -0.27
CIE _{LCh}	97, 13.667, 181.128
Yxy	92.9871, 0.2943, 0.3371
Android (android.graphics.Color)	4292476919 (0xFFD9FFF7)
YUV	242.7260, 2.1071, -22.5617
Hunter-Lab	96.4298, -18.5109, 4.9913

Details

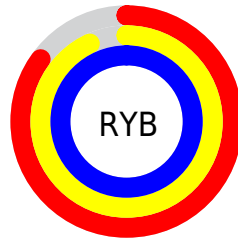
The XYZ color **81.1638, 92.9871, 101.6662** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.6441, 76.3232, 81.7687**, and the grayscale version is **84.9686, 89.3935, 97.3496**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.4983, 51.8311, 56.9493** is the 20% darker color. If you saturate the color by 10%, you get **73.3445, 89.0505, 97.0395**, and if you desaturate by 10%, it is **90.1799, 97.5380, 106.4764**.

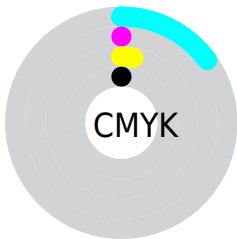
Distribution



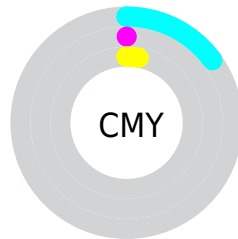
- Red (85%)
- Green (100%)
- Blue (97%)



- Red (85%)
- Yellow (93%)
- Blue (100%)



- Cyan (15%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)



- Cyan (15%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.1638, 92.9871, 101.6662 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 81.1638, 92.9871, 101.6662 by changing the saturation by 10% instead.

81.1638, 92.9871,
101.6662

81.1638, 92.9871,
101.6662

487.5233,
537.7006, 586.8138

60.9883, 70.4608,
77.0682

133.9427,
151.4808, 165.5168

44.4682, 51.9023,
56.7969

167.2768,
188.2169, 205.6065

31.2382, 36.9272,
40.4339

205.7277,
230.4584, 251.6972

20.9331, 25.1511,
27.5607

249.6609,
278.5897, 304.2073

13.1873, 16.1897,
17.7586

299.4417,
332.9952, 363.5555

7.6355, 9.6585,
10.6092

355.4355,

3.9124, 5.1731,

394.0592, 430.1603

5.6938

418.0076,
462.1662, 504.4402

■ 1.6527, 2.3492,
2.5941

■ 0.4264, 0.7996,
0.8894

■ 81.1638, 92.9871,
101.6662

■ 81.1638, 92.9871,
101.6662

■ 73.3445, 89.0505,
97.0395

■ 90.1799, 97.5380,
106.4764

■ 66.6655, 85.6989,
92.5881

95.0500, 100.0000,
108.9000

■ 61.0696, 82.9030,
88.3098

■ 56.4938, 80.6303,
84.2007

■ 52.8682, 78.8448,
80.2563

■ 50.1141, 77.5059,
76.4718

■ 48.1398, 76.5664,
72.8420

■ 46.8325, 75.9682,
69.3604

■ 46.3408, 75.7523,
67.6380

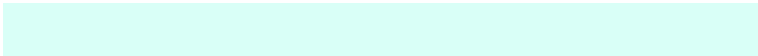
Harmonies

Analogous

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



82.0375, 92.9871, 91.3225



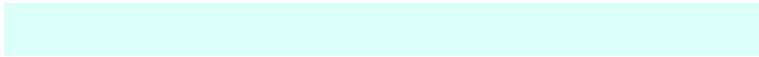
81.1638, 92.9871, 101.6662



82.1767, 92.9871, 112.6424

Triad

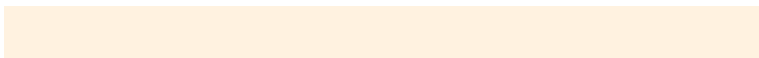
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.1638, 92.9871, 101.6662



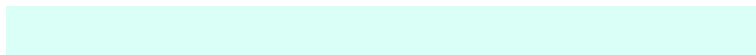
92.2756, 92.9871, 120.5627



92.0154, 92.9871, 83.7441

Complementary

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



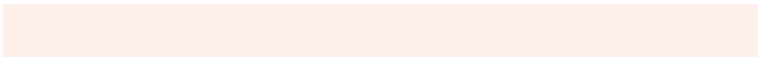
81.1638, 92.9871, 101.6662



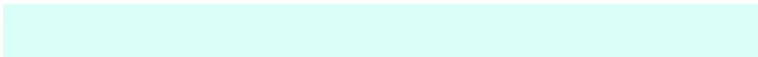
79.6441, 76.3232, 81.7687

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.



94.8910, 92.9871, 90.6475



81.1638, 92.9871, 101.6662



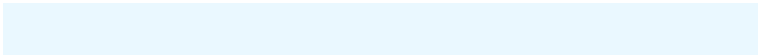
95.0442, 92.9871, 111.8660

Square

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



81.1638, 92.9871, 101.6662



88.5277, 92.9871, 124.0305



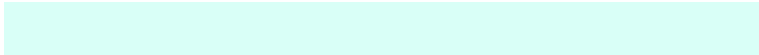
96.0148, 92.9871, 100.8292



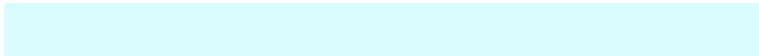
88.2354, 92.9871, 81.4401

Rectangle

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



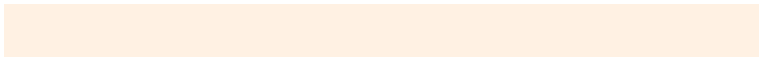
81.1638, 92.9871, 101.6662



83.8030, 92.9871, 118.7214



96.0148, 92.9871, 100.8292



93.1237, 92.9871, 85.5776

Sweetspot

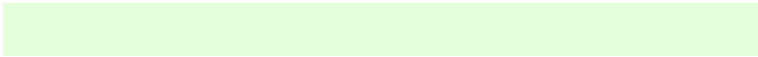
The Sweet Spot groups the original color and five complimentary colors.



81.1648, 92.9876, 101.6677



91.0526, 97.9790, 106.9186



79.4094, 92.5753, 79.3307



19.3329, 20.8927, 22.8059



0.0000, 0.0000, 0.0000



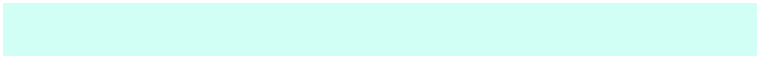
20.3446, 21.4041, 23.3091

Same Dimension

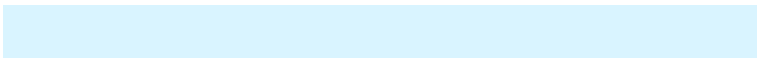
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.1648, 92.9876, 101.6677



78.6160, 91.7032, 100.2143



79.0871, 86.8144, 107.1963



18.3814, 20.4121, 22.3117



24.2708, 39.6049, 35.6407



2.4022, 3.8718, 3.6759

Inverse Universe

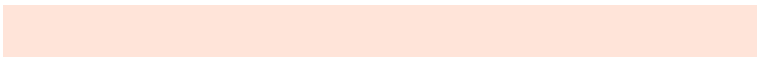
The Inverse Universe completely reimagines the original color for something new.



79.6441, 76.3232, 81.7687



76.8198, 72.0119, 76.7042



81.4444, 81.6293, 77.1107



18.1658, 18.0496, 19.4901



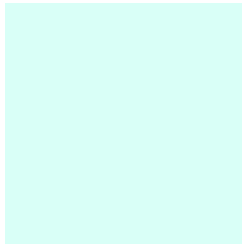
21.9362, 11.2638, 3.0484



2.1735, 1.1118, 0.4951

Previews

White Background



This preview shows how the XYZ color 81.1638, 92.9871, 101.6662 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 81.1638, 92.9871, 101.6662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

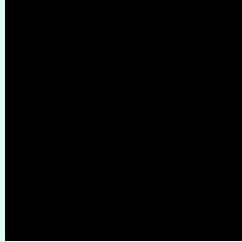
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

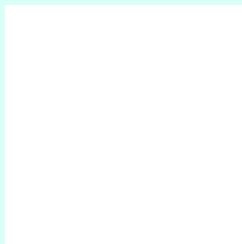
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.1638, 92.9871, 101.6662

Background



This preview shows how black text looks on a background with the XYZ color 81.1638, 92.9871, 101.6662.



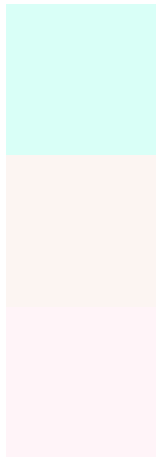
This preview shows how white text looks on a background with the XYZ color 81.1638, 92.9871,

101.6662.

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

81.1638, 92.9871, 101.6662

Protanopia

88.8243, 92.4111, 97.1600

Deuteranopia

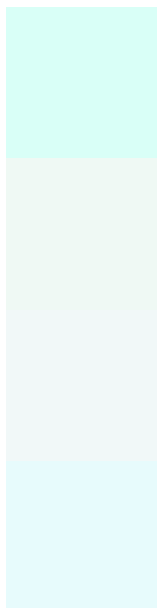
90.5340, 92.7387, 101.9356



Tritanopia

87.2140, 92.7055, 107.9050

Trichromacy



Original Color

81.1638, 92.9871, 101.6662

Protanomaly

85.8014, 92.6337, 98.9458

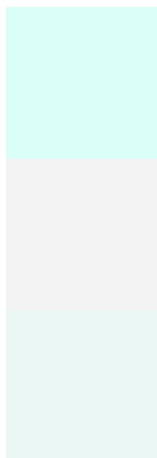
Deuteranomaly

86.7863, 92.6129, 102.1089

Tritanomaly

85.0229, 93.0116, 105.5673

Monochromacy



Original Color

81.1638, 92.9871, 101.6662

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

83.5216, 90.5456, 98.6629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.1638, 92.9871, 101.6662 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(217, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(217, 255, 247)  
}
```

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(217, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 255, 247) }
```

Border

The CSS property to change the border of an element to XYZ 81.1638, 92.9871, 101.6662 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(217, 255, 247) }
```


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

```
.border{ border-color:rgb(217, 255, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 255, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(217, 255,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 81.1638, 92.9871, 101.6662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 255, 247) }
```

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

```
.background{ background-color: rgb(217,  
255, 247) }
```

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