

# Converting Colors

XYZ(79.4321, 100.0000,  
102.6253)

Have a look what the booklet for  
XYZ(79.4321, 100.0000, 102.6253)  
contains.

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# Color

**XYZ(74.1328, 89.3803,  
100.5337)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0FFF6
RGB	192, 255, 246
RGB Percent	75%, 100%, 96%
CMY	0.2470, 0.0000, 0.0353
CMYK	0.25, 0.00, 0.04, 0.00
HSL	171°, 100%, 88%
HSV	171°, 25%, 100%
XYZ	74.1328, 89.3803, 100.5337
YIQ	235.1370, -34.6590, -16.1550

# Conversions

## Conversions Part 2

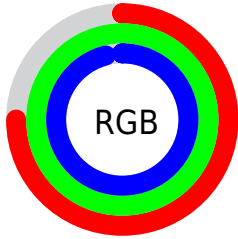
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	192, 226, 255
Decimal	12648438
CIE <sub>Lab</sub>	95.74, -21.38, -2.10
CIE <sub>LCh</sub>	96, 21.487, 185.603
Yxy	89.3803, 0.2808, 0.3385
Android (android.graphics.Color)	4290838518 (0xFFC0FFF6)
YUV	235.1370, 5.3555, -37.8311
Hunter-Lab	94.5412, -25.4794, 3.1307

# Details

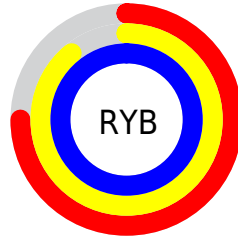
The XYZ color **74.1328, 89.3803, 100.5337** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.6330, 63.1776, 63.7307**, and the grayscale version is **79.0492, 83.1659, 90.5677**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **39.8049, 49.4242, 56.1571** is the 20% darker color. If you saturate the color by 10%, you get **67.6726, 86.1139, 97.3427**, and if you desaturate by 10%, it is **81.7245, 93.2287, 103.8378**.

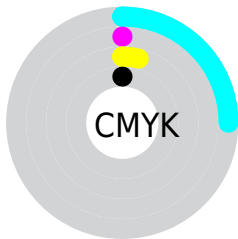
# Distribution



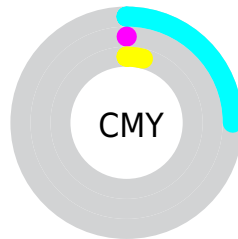
- Red (75%)
- Green (100%)
- Blue (96%)



- Red (75%)
- Yellow (89%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.1328, 89.3803, 100.5337 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 74.1328, 89.3803, 100.5337 by changing the saturation by 10% instead.





 74.1328, 89.3803,  
100.5337

 74.1328, 89.3803,  
100.5337

463.9748,  
526.0129, 583.1637

 55.1944, 67.4668,  
76.1270


 124.0785,  
146.4773, 163.9487

 39.7918, 49.4641,  
56.0293


155.8166,  
182.4296, 203.7940

 27.5598, 34.9877,  
39.8223


192.5519,  
223.8302, 249.6226

 18.1328, 23.6534,  
27.0873

234.6498,  
271.0637, 301.8530

 11.1457, 15.0767,  
17.4058

282.4757,  
324.5142, 360.9038

 6.2329, 8.8733,  
10.3592

336.3949,

 3.0292, 4.6586,

384.5664, 427.1935

5.5291

396.7729,  
451.6045, 501.1406

■ 1.1692, 2.0484,  
2.4968

■ 0.0819, 0.6354,  
0.8385

■ 74.1328, 89.3803,  
100.5337

■ 74.1328, 89.3803,  
100.5337

■ 67.6726, 86.1139,  
97.3427

■ 81.7245, 93.2287,  
103.8378

■ 62.2832, 83.3983,  
94.2573

■ 90.4984, 97.6853,  
107.2533

■ 57.9028, 81.2015,  
91.2757

95.0500, 100.0000,  
108.9000

■ 54.4617, 79.4878,  
88.3944

■ 51.8817, 78.2167,  
85.6092

■ 50.0715, 77.3413,  
82.9157

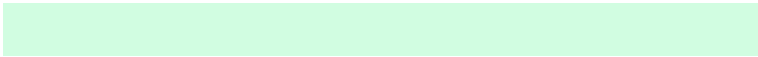
■ 48.9189, 76.8036,  
80.3082

■ 48.4906, 76.6122,  
78.9583

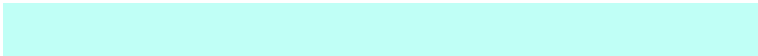
# Harmonies

## Analogous

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



75.0138, 89.3803, 84.4799



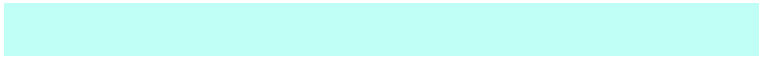
74.1328, 89.3803, 100.5337



76.0401, 89.3803, 117.5338

# Triad

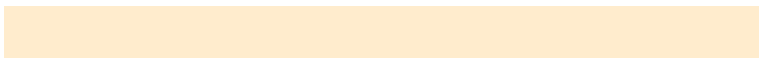
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.1328, 89.3803, 100.5337



91.7457, 89.3803, 126.2688



89.7368, 89.3803, 70.5755

# Complementary

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



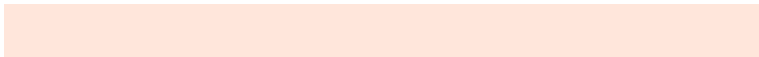
74.1328, 89.3803, 100.5337



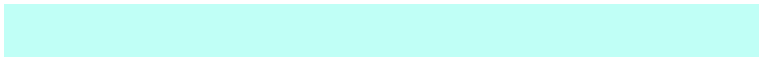
70.6330, 63.1776, 63.7307

# 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.



94.5371, 89.3803, 79.5677



74.1328, 89.3803, 100.5337



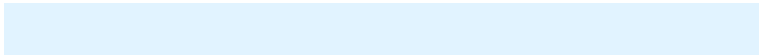
95.7341, 89.3803, 111.3993

# Square

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



74.1328, 89.3803, 100.5337



86.0682, 89.3803, 133.4567



96.7786, 89.3803, 94.1754

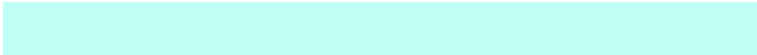


83.8481, 89.3803, 68.3773



# Rectangle

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



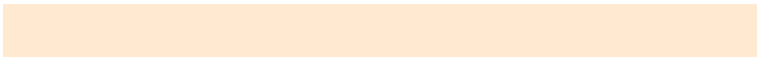
74.1328, 89.3803, 100.5337



78.6907, 89.3803, 126.7367



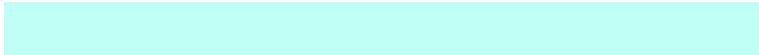
96.7786, 89.3803, 94.1754



91.5396, 89.3803, 72.8484

# Sweetspot

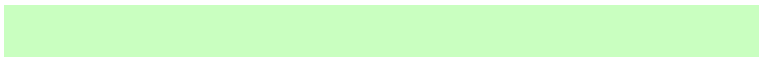
The Sweet Spot groups the original color and five complimentary colors.



74.1338, 89.3808, 100.5352



88.3773, 96.6072, 106.4592



69.4839, 87.8062, 63.1569



18.7993, 20.6184, 22.7422



0.0000, 0.0000, 0.0000

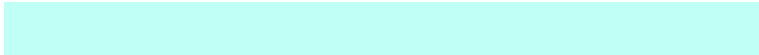


20.3446, 21.4041, 23.3091

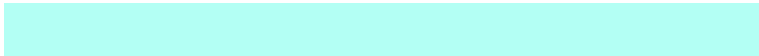


# Same Dimension

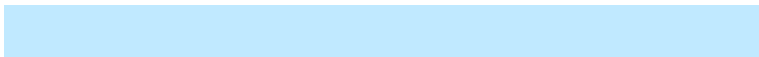
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.1338, 89.3808, 100.5352



70.5753, 87.5803, 98.8312



68.9140, 76.6769, 105.7757



18.4367, 20.4342, 22.6027



25.3801, 40.0487, 41.4827



2.5004, 3.9111, 4.1930



# Inverse Universe

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



70.6330, 63.1776, 63.7307



66.4918, 56.9928, 55.8836



74.8144, 73.1853, 60.0538



18.1150, 18.0293, 19.2230



21.7503, 11.1894, 2.0697

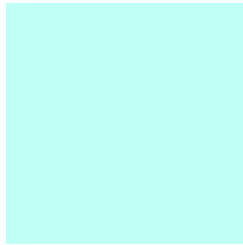


2.1480, 1.1016, 0.3609



# Previews

## White Background



This preview shows how the XYZ color 74.1328, 89.3803, 100.5337 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

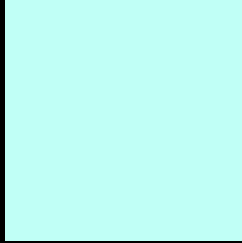
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.1328, 89.3803, 100.5337 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

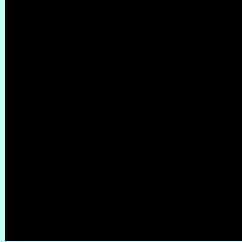
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

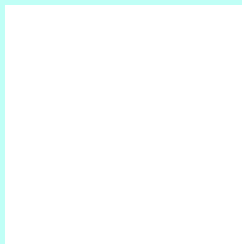
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.1328, 89.3803, 100.5337**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.1328, 89.3803, 100.5337.



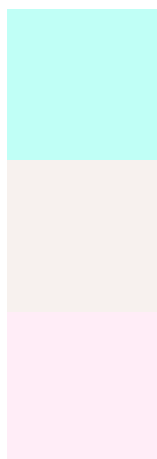
This preview shows how white text looks on a background with the XYZ color 74.1328, 89.3803,

100.5337.

# 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

74.1328, 89.3803, 100.5337

### Protanopia

85.2457, 88.8578, 93.5473

### Deuteranopia

88.3127, 88.5438, 100.4318



## **Tritanopia**

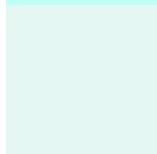
81.7462, 88.9788, 107.4739

# Trichromacy



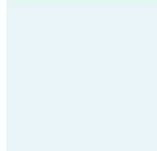
## Original Color

74.1328, 89.3803, 100.5337



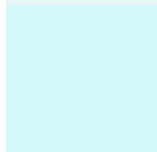
## Protanomaly

80.5115, 88.5933, 96.0759



## Deuteranomaly

82.4179, 88.5726, 100.7480



## Tritanomaly

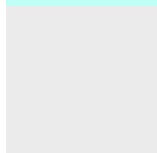
78.5977, 88.7767, 105.0885

# Monochromacy



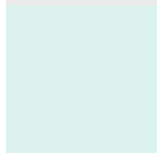
## Original Color

74.1328, 89.3803, 100.5337



## Achromatopsia

78.9647, 83.0770, 90.4708



## Achromatomaly

76.5455, 84.7963, 93.9943

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.1328, 89.3803, 100.5337 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(192, 255, 246)` looks like.

```
.text, #text, p{  
    color:rgb(192, 255, 246)  
}
```

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(192, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 255, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 74.1328, 89.3803, 100.5337 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(192, 255, 246) }
```



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

```
.border{ border-color:rgb(192, 255, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 255, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(192, 255, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(192, 255, 246); box-shadow:4px 4px 4px 4px rgb(192, 255, 246) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.1328, 89.3803, 100.5337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 255, 246) }
```

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

```
.background{ background-color: rgb(192,  
255, 246) }
```

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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