

# Converting Colors

XYZ(104.0028, 131.0161,  
169.7265)

Have a look what the booklet for  
XYZ(104.0028, 131.0161, 169.7265)  
contains.

<b>XYZ(74.7963, 89.5588, 107.9521)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(74.7963, 89.5588,  
107.9521)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDFFFF
RGB	189, 255, 255
RGB Percent	74%, 100%, 100%
CMY	0.2588, 0.0000, 0.0000
CMYK	0.26, 0.00, 0.00, 0.00
HSL	180°, 100%, 87%
HSV	180°, 26%, 100%
XYZ	74.7963, 89.5588, 107.9521
YIQ	235.2660, -39.3360, -13.9920

# Conversions

## Conversions Part 2

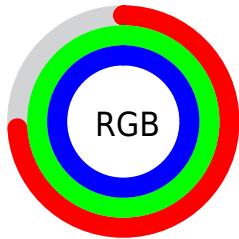
<b>Format</b>	<b>Color</b>
<b>RYB</b>	189, 222, 255
Decimal	12451839
CIELab	95.81, -20.34, -6.65
CIELCh	96, 21.394, 198.100
Yxy	89.5588, 0.2747, 0.3289
Android (android.graphics.Color)	4290641919 (0xFFBDFFFF)
YUV	235.2660, 9.7289, -40.5753
Hunter-Lab	94.6355, -24.5326, -1.3881

# Details

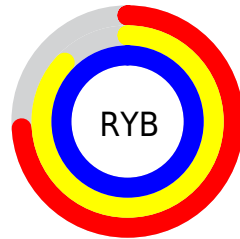
The XYZ color **74.7963, 89.5588, 107.9521** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.6240, 61.3309, 56.3672**, and the grayscale version is **79.1177, 83.2380, 90.6462**.

A 20% lighter version of the original color is **92.1678, 98.5142, 108.7651**, and **40.2186, 49.5337, 60.8673** is the 20% darker color. If you saturate the color by 10%, you get **69.0175, 86.5798, 107.6817**, and if you desaturate by 10%, it is **81.6887, 93.1120, 108.2747**.

# Distribution



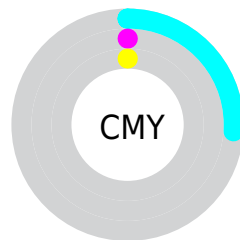
- Red (74%)
- Green (100%)
- Blue (100%)



- Red (74%)
- Yellow (87%)
- Blue (100%)



- Cyan (26%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (26%)
- Magenta (0%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.7963, 89.5588, 107.9521 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 74.7963, 89.5588, 107.9521 by changing the saturation by 10% instead.





 74.7963, 89.5588,  
107.9521

 74.7963, 89.5588,  
107.9521


466.2251,  
526.5946, 606.8611

 55.7396, 67.6148,  
82.3043


 125.0134,  
146.7254, 174.1899

 40.2304, 49.5844,  
61.0791


156.9046,  
182.7168, 215.6169

 27.9032, 35.0833,  
43.8580


193.8046,  
224.1593, 263.1407

 18.3928, 23.7270,  
30.2225


236.0788,  
271.4376, 317.1799

 11.3338, 15.1313,  
19.7541

284.0926,  
324.9358, 378.1530

 6.3607, 8.9116,  
12.0341

338.2114,

 3.1084, 4.6835,

385.0385, 446.4785

6.6441

398.8004,  
452.1299, 522.5750

■ 1.2113, 2.0628,  
3.1655

■ 0.1153, 0.6436,  
1.1797

■ 74.7963, 89.5588,  
107.9521

■ 74.7963, 89.5588,  
107.9521

■ 69.0175, 86.5798,  
107.6817

■ 81.6887, 93.1120,  
108.2747

■ 64.2918, 84.1436,  
107.4605

■ 89.7463, 97.2659,  
108.6518

■ 60.5563, 82.2179,  
107.2857

95.0500, 100.0000,  
108.9000

■ 57.7408, 80.7664,  
107.1540

■ 55.7656, 79.7482,  
107.0615

■ 54.5377, 79.1151,  
107.0041

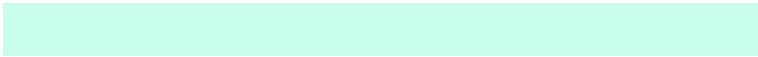
■ 53.9415, 78.8078,  
106.9762

■ 53.8100, 78.7400,  
106.9700

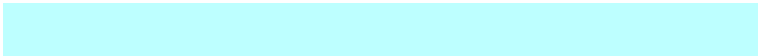
# Harmonies

## Analogous

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



74.5056, 89.5588, 90.9719



74.7963, 89.5588, 107.9521



77.7747, 89.5588, 123.7292

# Triad

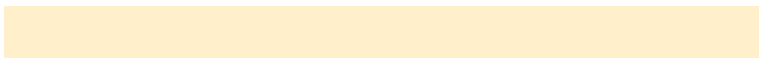
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.7963, 89.5588, 107.9521



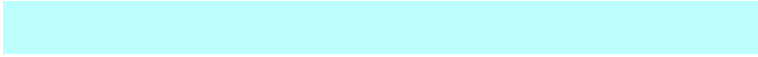
93.8422, 89.5588, 120.8421



87.4819, 89.5588, 69.0718

# Complementary

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



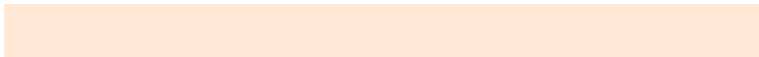
74.7963, 89.5588, 107.9521



68.6240, 61.3309, 56.3672

# 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.



92.9200, 89.5588, 75.2913



74.7963, 89.5588, 107.9521



96.7039, 89.5588, 104.3631

# Square

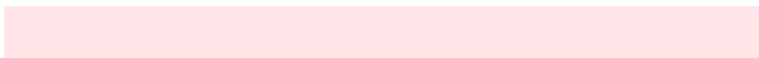
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



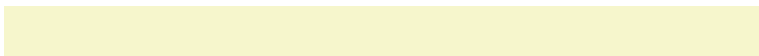
74.7963, 89.5588, 107.9521



88.6935, 89.5588, 131.7423



96.3589, 89.5588, 87.7720

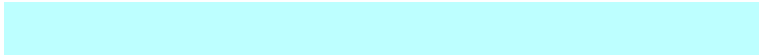


81.6495, 89.5588, 69.7964



# Rectangle

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



74.7963, 89.5588, 107.9521



80.9644, 89.5588, 130.8445



96.3589, 89.5588, 87.7720



89.4215, 89.5588, 70.3873

# Sweetspot

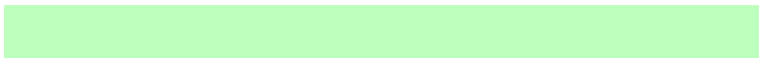
The Sweet Spot groups the original color and five complimentary colors.



74.7971, 89.5593, 107.9522



87.9390, 96.3342, 108.5672



65.9328, 86.0135, 61.2733



18.5550, 20.4815, 23.2253



0.0000, 0.0000, 0.0000

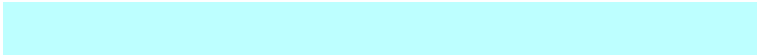


20.3446, 21.4041, 23.3091



# Same Dimension

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



74.7971, 89.5593, 107.9522



71.7032, 87.9643, 107.8074



65.1588, 70.2827, 104.7394



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.



77.4883, 64.8767, 103.0461



74.8055, 59.5111, 102.1518



76.5474, 77.1777, 59.0084



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741

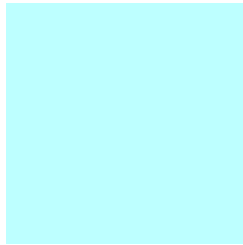


3.0164, 1.4490, 4.9340



# Previews

## White Background



This preview shows how the XYZ color 74.7963, 89.5588, 107.9521 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

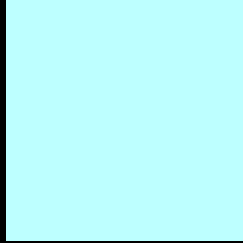
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.7963, 89.5588, 107.9521 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

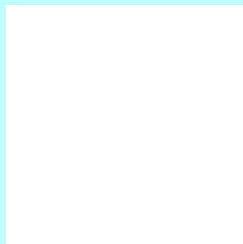
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 74.7963, 89.5588, 107.9521

## Background



This preview shows how black text looks on a background with the XYZ color 74.7963, 89.5588, 107.9521.



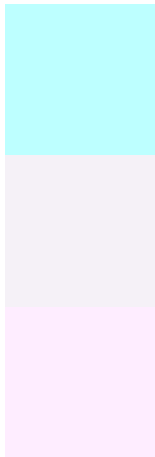
This preview shows how white text looks on a background with the XYZ color 74.7963, 89.5588,



# 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

74.7963, 89.5588, 107.9521

### Protanopia

85.9000, 89.0385, 100.6544

### Deuteranopia

89.2072, 88.8592, 107.0576



## **Tritanopia**

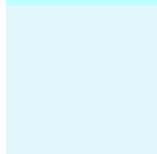
81.7462, 88.9788, 107.4739

# Trichromacy



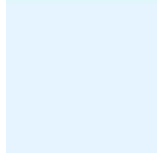
## Original Color

74.7963, 89.5588, 107.9521



## Protanomaly

81.2624, 88.8212, 103.3037



## Deuteranomaly

83.0338, 88.7444, 107.3608



## Tritanomaly

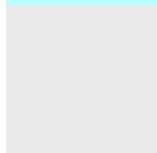
78.7897, 88.8202, 107.5991

# Monochromacy



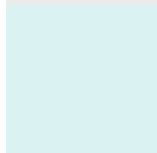
## Original Color

74.7963, 89.5588, 107.9521



## Achromatopsia

78.9647, 83.0770, 90.4708



## Achromatomaly

76.6926, 84.8205, 96.3343

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.7963, 89.5588, 107.9521 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(189, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 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(189, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 74.7963, 89.5588, 107.9521 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(189, 255, 255) }
```



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

```
.border{ border-color:rgb(189, 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(189, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.7963, 89.5588, 107.9521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 255, 255) }
```

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

```
.background{ background-color: rgb(189,  
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](#).

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