

# Converting Colors

XYZ(82.1985, 100.0000,  
121.8197)

Have a look what the booklet for  
XYZ(82.1985, 100.0000, 121.8197)  
contains.

<b>XYZ(75.2959, 89.8164, 107.9755)</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(75.2959, 89.8164,  
107.9755)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFFFFFF
RGB	191, 255, 255
RGB Percent	75%, 100%, 100%
CMY	0.2510, 0.0000, 0.0000
CMYK	0.25, 0.00, 0.00, 0.00
HSL	180°, 100%, 87%
HSV	180°, 25%, 100%
XYZ	75.2959, 89.8164, 107.9755
YIQ	235.8640, -38.1440, -13.5680

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	191, 223, 255
Decimal	12582911
CIE Lab	95.92, -19.77, -6.48
CIE LCh	96, 20.805, 198.137
Yxy	89.8164, 0.2757, 0.3289
Android (android.graphics.Color)	4290772991 (0xFFBFFFFF)
YUV	235.8640, 9.4340, -39.3457
Hunter-Lab	94.7715, -24.0320, -1.2105

# Details

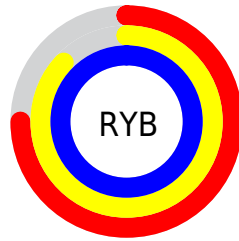
The XYZ color **75.2959, 89.8164, 107.9755** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.2758, 62.2848, 57.6630**, and the grayscale version is **79.5756, 83.7197, 91.1708**.

A 20% lighter version of the original color is **92.8769, 98.8797, 108.7983**, and **40.5405, 49.6996, 60.8824** is the 20% darker color. If you saturate the color by 10%, you get **69.4319, 86.7934, 107.7011**, and if you desaturate by 10%, it is **82.2778, 93.4157, 108.3023**.

# Distribution



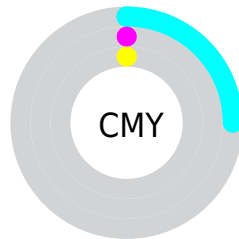
- Red (75%)
- Green (100%)
- Blue (100%)



- Red (75%)
- Yellow (87%)
- Blue (100%)



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




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.2959, 89.8164, 107.9755 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 75.2959, 89.8164, 107.9755 by changing the saturation by 10% instead.





 75.2959, 89.8164,  
107.9755

 75.2959, 89.8164,  
107.9755


467.9155,  
527.4334, 606.9350

 56.1504, 67.8284,  
82.3238


 125.7168,  
147.0833, 174.2221

 40.5610, 49.7581,  
61.0951


157.7229,  
183.1310, 215.6540

 28.1623, 35.2212,  
43.8709


194.7465,  
224.6341, 263.1831

 18.5892, 23.8334,  
30.2326

237.1531,  
271.9769, 317.2279

 11.4760, 15.2100,  
19.7616

285.3079,  
325.5438, 378.2070

 6.4576, 8.9669,  
12.0395

339.5763,

 3.1686, 4.7196,

385.7193, 446.5388

6.6477

400.3238,  
452.8877, 522.6420

■ 1.2435, 2.0837,  
3.1677

■ 0.1403, 0.6554,  
1.1809

■ 75.2959, 89.8164,  
107.9755

■ 75.2959, 89.8164,  
107.9755

■ 69.4319, 86.7934,  
107.7011

■ 82.2778, 93.4157,  
108.3023

■ 64.6258, 84.3157,  
107.4762

■ 90.4291, 97.6178,  
108.6837

■ 60.8151, 82.3512,  
107.2978

95.0500, 100.0000,  
108.9000

■ 57.9301, 80.8640,  
107.1628

■ 55.8922, 79.8134,  
107.0674

■ 54.6094, 79.1521,  
107.0074

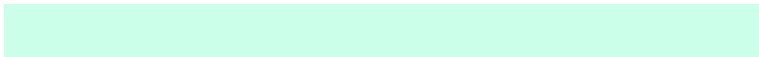
■ 53.9688, 78.8218,  
106.9774

■ 53.8100, 78.7400,  
106.9700

# Harmonies

## Analogous

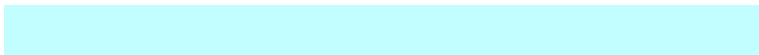
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.0085, 89.8164, 91.4351



75.2959, 89.8164, 107.9755



78.2070, 89.8164, 123.2945

# Triad

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



75.2959, 89.8164, 107.9755



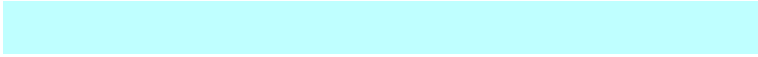
93.8604, 89.8164, 120.4598



87.6586, 89.8164, 69.9900

# Complementary

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



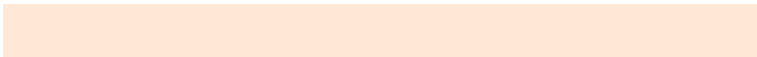
75.2959, 89.8164, 107.9755



69.2758, 62.2848, 57.6630

# 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.



92.9529, 89.8164, 76.0782



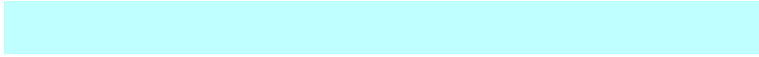
75.2959, 89.8164, 107.9755



96.6395, 89.8164, 104.4428

# Square

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



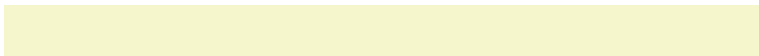
75.2959, 89.8164, 107.9755



88.8523, 89.8164, 131.0403



96.3000, 89.8164, 88.2750

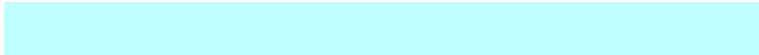


81.9756, 89.8164, 70.7093

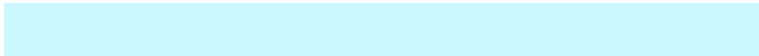


# Rectangle

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



75.2959, 89.8164, 107.9755



81.3204, 89.8164, 130.1871



96.3000, 89.8164, 88.2750



89.5473, 89.8164, 71.2775

# Sweetspot

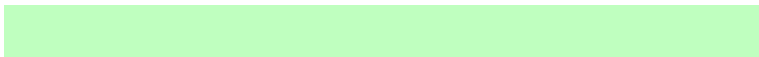
The Sweet Spot groups the original color and five complimentary colors.



75.2967, 89.8168, 107.9756



87.9390, 96.3342, 108.5672



66.6510, 86.3585, 62.4481



18.5550, 20.4815, 23.2253



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

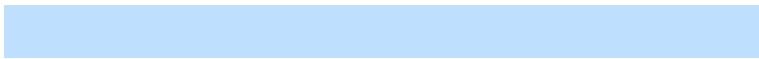
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.2967, 89.8168, 107.9756



72.2850, 88.2642, 107.8346



65.9248, 71.0730, 104.8516



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.



77.9215, 65.7430, 103.1905



75.3101, 60.5201, 102.3200



77.0324, 77.7980, 60.2485



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741

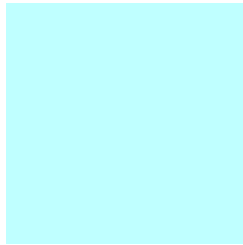


3.0164, 1.4490, 4.9340



# Previews

## White Background



This preview shows how the XYZ color 75.2959, 89.8164, 107.9755 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

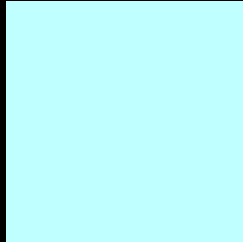
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.2959, 89.8164, 107.9755 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

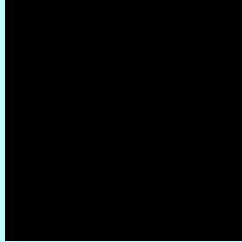
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

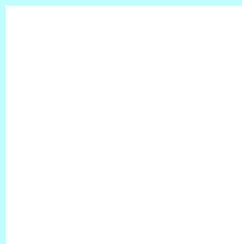
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 75.2959, 89.8164, 107.9755

## Background



This preview shows how black text looks on a background with the XYZ color 75.2959, 89.8164, 107.9755.



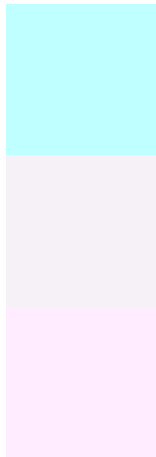
This preview shows how white text looks on a background with the XYZ color 75.2959, 89.8164,



# 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

75.2959, 89.8164, 107.9755

### Protanopia

85.9000, 89.0385, 100.6544

### Deuteranopia

89.5742, 89.0484, 107.0747



## Tritanopia

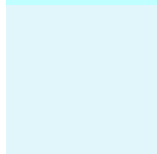
82.0571, 89.1391, 107.4884

# Trichromacy



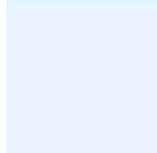
## Original Color

75.2959, 89.8164, 107.9755



## Protanomaly

81.2624, 88.8212, 103.3037



## Deuteranomaly

83.6794, 89.0772, 107.3910



## Tritanomaly

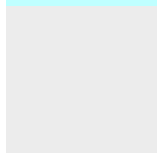
79.3663, 89.1175, 107.6261

# Monochromacy



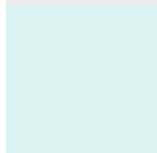
## Original Color

75.2959, 89.8164, 107.9755



## Achromatopsia

79.7278, 83.8799, 91.3452



## Achromatomaly

77.7435, 85.7879, 97.2552

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.2959, 89.8164, 107.9755 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(191, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 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(191, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 75.2959, 89.8164, 107.9755 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(191, 255, 255) }
```



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

```
.border{ border-color:rgb(191, 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(191, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(191, 255,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.2959, 89.8164, 107.9755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 255, 255) }
```

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

```
.background{ background-color: rgb(191,  
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