

# Converting Colors

XYZ(82.4157, 100.0000,  
128.3281)

Have a look what the booklet for  
XYZ(82.4157, 100.0000, 128.3281)  
contains.

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# Color

**XYZ(74.0597, 89.1791,  
107.9177)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAFFFF
RGB	186, 255, 255
RGB Percent	73%, 100%, 100%
CMY	0.2706, 0.0000, 0.0000
CMYK	0.27, 0.00, 0.00, 0.00
HSL	180°, 100%, 86%
HSV	180°, 27%, 100%
XYZ	74.0597, 89.1791, 107.9177
YIQ	234.3690, -41.1240, -14.6280

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	186, 221, 255
Decimal	12255231
CIE <sub>Lab</sub>	95.66, -21.17, -6.90
CIE <sub>LCh</sub>	96, 22.269, 198.045
Yxy	89.1791, 0.2731, 0.3289
Android (android.graphics.Color)	4290445311 (0xFFBAFFFF)
YUV	234.3690, 10.1711, -42.4196
Hunter-Lab	94.4347, -25.2734, -1.6509

# Details

The XYZ color **74.0597, 89.1791, 107.9177** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.6629, 59.9245, 54.4565**, and the grayscale version is **78.4337, 82.5184, 89.8625**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **39.7472, 49.2907, 60.8452** is the 20% darker color. If you saturate the color by 10%, you get **68.4080, 86.2656, 107.6532**, and if you desaturate by 10%, it is **80.8184, 92.6633, 108.2340**.

# Distribution



- Red (73%)
- Green (100%)
- Blue (100%)



- Red (73%)
- Yellow (87%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (0%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.0597, 89.1791, 107.9177 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 74.0597, 89.1791, 107.9177 by changing the saturation by 10% instead.



74.0597, 89.1791,  
107.9177

74.0597, 89.1791,  
107.9177

463.7265,  
525.3569, 606.7523

55.1344, 67.3000,  
82.2756

123.9755,  
146.1976, 174.1425

39.7436, 49.3285,  
61.0556

155.6966,  
182.1058, 215.5623

27.5220, 34.8801,  
43.8392

192.4138,  
223.4591, 263.0784

18.1042, 23.5705,  
30.2078

234.4922,  
270.6420, 317.1094

11.1250, 15.0154,  
19.7430

282.2974,  
324.0388, 378.0737

6.2189, 8.8302,  
12.0261

336.1946,

3.0206, 4.6306,

384.0340, 446.3899

6.6387

396.5492,  
451.0119, 522.4766

■ 1.1646, 2.0322,  
3.1622

■ 0.0782, 0.6261,  
1.1780

■ 74.0597, 89.1791,  
107.9177

■ 74.0597, 89.1791,  
107.9177

■ 68.4080, 86.2656,  
107.6532

■ 80.8184, 92.6633,  
108.2340

■ 63.8022, 83.8912,  
107.4376

■ 88.7361, 96.7451,  
108.6045

■ 60.1788, 82.0232,  
107.2681

95.0500, 100.0000,  
108.9000

■ 57.4664, 80.6250,  
107.1411

■ 55.5843, 79.6547,  
107.0530

■ 54.4373, 79.0634,  
106.9994

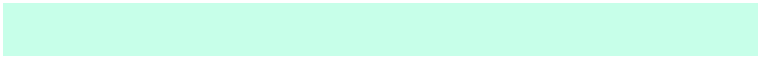
■ 53.9039, 78.7884,  
106.9744

■ 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.



73.7644, 89.1791, 90.2868



74.0597, 89.1791, 107.9177



77.1368, 89.1791, 124.3782

# Triad

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



74.0597, 89.1791, 107.9177



93.8167, 89.1791, 121.4160



87.2227, 89.1791, 67.7246

# Complementary

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



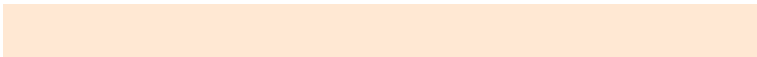
74.0597, 89.1791, 107.9177



67.6629, 59.9245, 54.4565

# 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.



92.8740, 89.1791, 74.1352



74.0597, 89.1791, 107.9177



96.8019, 89.1791, 104.2495

# Square

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



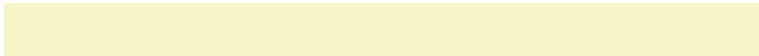
74.0597, 89.1791, 107.9177



88.4593, 89.1791, 132.7937



96.4488, 89.1791, 87.0321

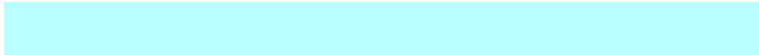


81.1693, 89.1791, 68.4560

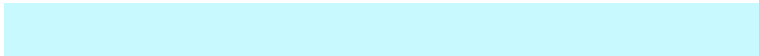


# Rectangle

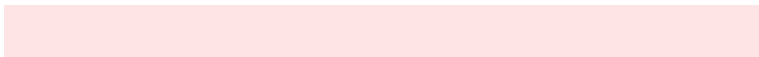
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.0597, 89.1791, 107.9177



80.4387, 89.1791, 131.8274



96.4488, 89.1791, 87.0321



89.2376, 89.1791, 69.0807

# Sweetspot

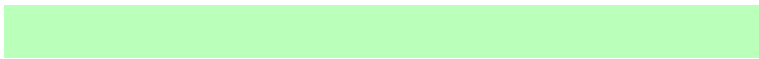
The Sweet Spot groups the original color and five complimentary colors.



74.0605, 89.1795, 107.9177



87.9390, 96.3342, 108.5672



64.8738, 85.5048, 59.5410



18.5550, 20.4815, 23.2253



0.0000, 0.0000, 0.0000

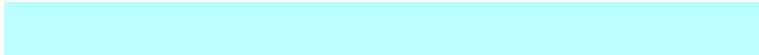


20.3446, 21.4041, 23.3091



# Same Dimension

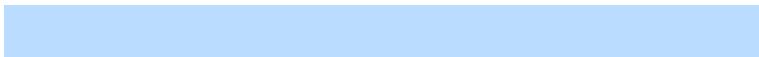
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.0605, 89.1795, 107.9177



71.1322, 87.6699, 107.7807



64.0255, 69.1096, 104.5727



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.



76.8496, 63.5992, 102.8332



74.3104, 58.5208, 101.9868



75.8283, 76.2554, 57.1784



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741

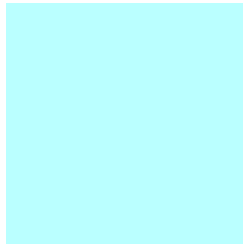


3.0164, 1.4490, 4.9340



# Previews

## White Background



This preview shows how the XYZ color 74.0597, 89.1791, 107.9177 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

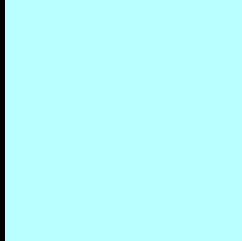
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.0597, 89.1791, 107.9177 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 74.0597, 89.1791, 107.9177**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.0597, 89.1791, 107.9177.



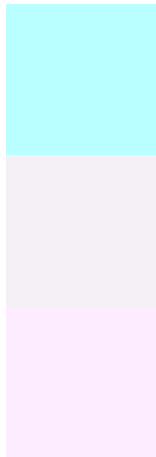
This preview shows how white text looks on a background with the XYZ color 74.0597, 89.1791,



# 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

74.0597, 89.1791, 107.9177

### Protanopia

85.1029, 88.2071, 99.7290

### Deuteranopia

88.5535, 88.0936, 106.9442



## Tritanopia

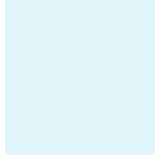
81.1300, 88.6611, 107.4450

# Trichromacy



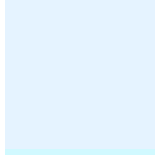
## Original Color

74.0597, 89.1791, 107.9177



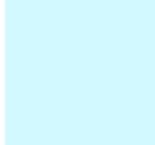
## Protanomaly

80.1827, 87.8323, 102.3498



## Deuteranomaly

82.4137, 87.9792, 107.2458



## Tritanomaly

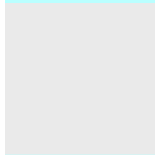
78.2202, 88.5267, 107.5725

# Monochromacy



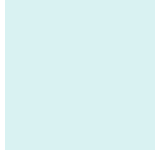
## Original Color

74.0597, 89.1791, 107.9177



## Achromatopsia

78.2058, 82.2786, 89.6014



## Achromatomaly

76.3944, 84.6668, 96.3203

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.0597, 89.1791, 107.9177 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(186, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 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(186, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 255, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 74.0597, 89.1791, 107.9177 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(186, 255, 255) }
```



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

```
.border{ border-color:rgb(186, 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(186, 255, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 255,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.0597, 89.1791, 107.9177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 255, 255) }
```

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

```
.background{ background-color: rgb(186,  
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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