

# Converting Colors

XYZ(79.4666, 100.0000,  
108.2233)

Have a look what the booklet for  
XYZ(79.4666, 100.0000, 108.2233)  
contains.

<b>XYZ(73.9831, 89.1766, 106.2420)</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(73.9831, 89.1766,  
106.2420)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBFFFD
RGB	187, 255, 253
RGB Percent	73%, 100%, 99%
CMY	0.2667, 0.0000, 0.0078
CMYK	0.27, 0.00, 0.01, 0.00
HSL	178°, 100%, 87%
HSV	178°, 27%, 100%
XYZ	73.9831, 89.1766, 106.2420
YIQ	234.4400, -39.8860, -15.0380

# Conversions

## Conversions Part 2

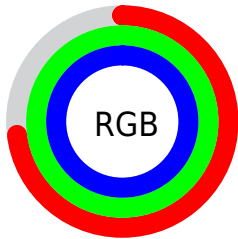
<b>Format</b>	<b>Color</b>
<b>RYB</b>	187, 222, 255
Decimal	12320765
CIELab	95.65, -21.33, -5.86
CIELCh	96, 22.119, 195.370
Yxy	89.1766, 0.2746, 0.3310
Android (android.graphics.Color)	4290510845 (0xFFBBFFFD)
YUV	234.4400, 9.1501, -41.6049
Hunter-Lab	94.4334, -25.4139, -0.6007

# Details

The XYZ color **73.9831, 89.1766, 106.2420** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.1964, 60.4761, 56.2235**, and the grayscale version is **78.4945, 82.5823, 89.9322**.

A 20% lighter version of the original color is **91.4662, 98.1525, 108.7323**, and **39.6736, 49.2792, 59.6454** is the 20% darker color. If you saturate the color by 10%, you get **68.1703, 86.1937, 105.3494**, and if you desaturate by 10%, it is **80.9062, 92.7318, 107.1919**.

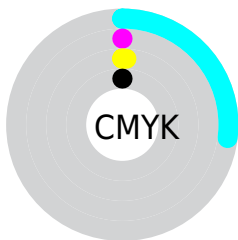
# Distribution



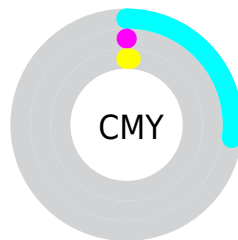
- Red (73%)
- Green (100%)
- Blue (99%)



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



- Cyan (27%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)



- Cyan (27%)
- Magenta (0%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.9831, 89.1766, 106.2420 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 73.9831, 89.1766, 106.2420 by changing the saturation by 10% instead.



73.9831, 89.1766,  
106.2420

73.9831, 89.1766,  
106.2420

463.4662,  
525.3487, 601.4418

55.0714, 67.2979,  
80.8778

123.8675,  
146.1941, 171.8354

39.6930, 49.3268,  
59.9106

155.5709,  
182.1018, 212.9017

27.4824, 34.8788,  
42.9217

192.2690,  
223.4545, 260.0391

18.0743, 23.5695,  
29.4927

234.3270,  
270.6368, 313.6662

11.1034, 15.0146,  
19.2051

282.1104,  
324.0329, 374.2015

6.2042, 8.8296,  
11.6403

335.9845,

3.0115, 4.6302,

384.0274, 442.0635

6.3797

396.3147,  
451.0045, 517.6707

■ 1.1598, 2.0320,  
3.0048

■ 0.0743, 0.6260,  
1.0971

■ 73.9831, 89.1766,  
106.2420

■ 73.9831, 89.1766,  
106.2420

■ 68.1703, 86.1937,  
105.3494

■ 80.9062, 92.7318,  
107.1919

■ 63.4059, 83.7513,  
104.5069

■ 88.9906, 96.8855,  
108.1972

■ 59.6270, 81.8169,  
103.7129

95.0500, 100.0000,  
108.9000

■ 56.7626, 80.3538,  
102.9642

■ 54.7323, 79.3207,  
102.2569

■ 53.4416, 78.6689,  
101.5867

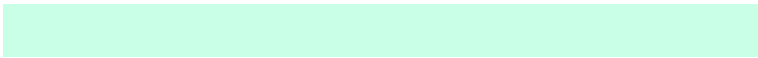
■ 52.7719, 78.3371,  
100.9480

■ 52.6268, 78.2667,  
100.7392

# Harmonies

## Analogous

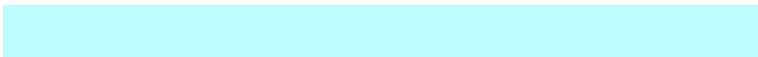
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.9475, 89.1766, 88.8874



73.9831, 89.1766, 106.2420



76.8118, 89.1766, 122.9175

# Triad

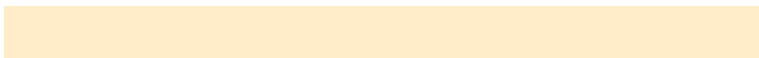
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.9831, 89.1766, 106.2420



93.3515, 89.1766, 122.5604



87.7459, 89.1766, 68.1808

# Complementary

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



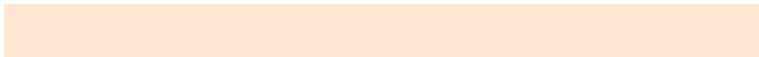
73.9831, 89.1766, 106.2420



68.1964, 60.4761, 56.2235

# 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.



93.2378, 89.1766, 75.1740



73.9831, 89.1766, 106.2420



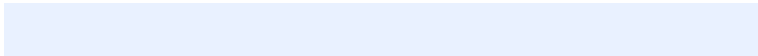
96.5776, 89.1766, 105.7996

# Square

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



73.9831, 89.1766, 106.2420



87.8950, 89.1766, 133.0780



96.5350, 89.1766, 88.4946

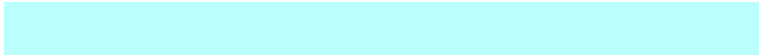


81.6998, 89.1766, 68.2692



# Rectangle

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



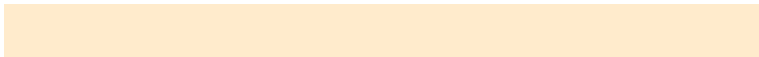
73.9831, 89.1766, 106.2420



79.9819, 89.1766, 130.8107



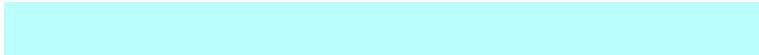
96.5350, 89.1766, 88.4946



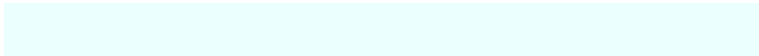
89.7241, 89.1766, 69.7410

# Sweetspot

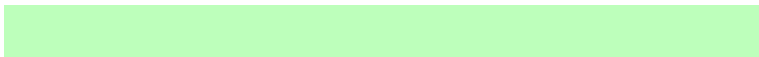
The Sweet Spot groups the original color and five complimentary colors.



73.9842, 89.1771, 106.2435



87.8426, 96.2956, 108.0597



65.7832, 85.9613, 60.1405



18.5304, 20.4717, 23.0963



0.0000, 0.0000, 0.0000

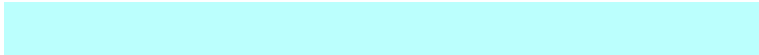


20.3446, 21.4041, 23.3091

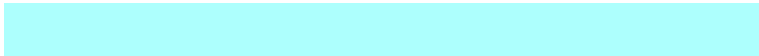


# Same Dimension

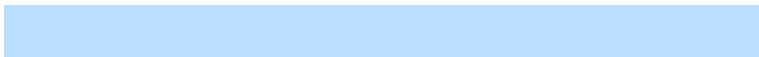
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.9842, 89.1771, 106.2435



70.7484, 87.5164, 105.7600



65.0036, 70.7039, 104.8289



18.5304, 20.4717, 23.0963



27.5090, 40.9002, 52.6929



2.6854, 3.9851, 5.1674



# Inverse Universe

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



68.1964, 60.4761, 56.2235



64.0769, 54.4274, 48.0979



75.4724, 75.3728, 57.5860



18.0310, 17.9957, 18.7805



21.5796, 11.1211, 1.1706

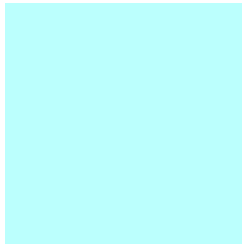


2.1084, 1.0857, 0.1522



# Previews

## White Background



This preview shows how the XYZ color 73.9831, 89.1766, 106.2420 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

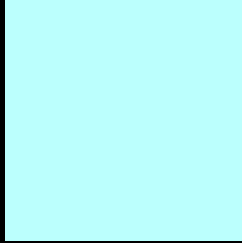
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.9831, 89.1766, 106.2420 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

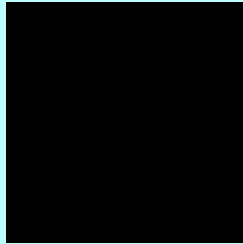
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

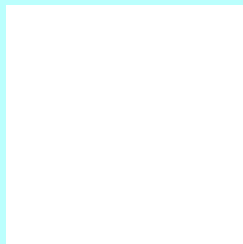
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 73.9831, 89.1766, 106.2420

## Background



This preview shows how black text looks on a background with the XYZ color 73.9831, 89.1766, 106.2420.



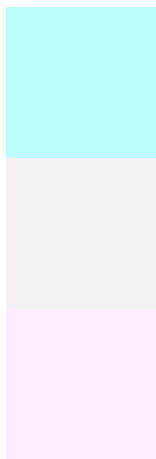
This preview shows how white text looks on a background with the XYZ color 73.9831, 89.1766,



# 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

73.9831, 89.1766, 106.2420

### Protanopia

85.1454, 88.2643, 98.1370

### Deuteranopia

89.1248, 88.4067, 106.1327



## **Tritanopia**

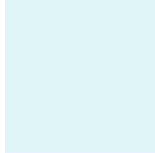
81.1300, 88.6611, 107.4450

# Trichromacy



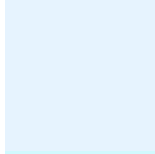
## Original Color

73.9831, 89.1766, 106.2420



## Protanomaly

80.1814, 87.8675, 100.7298



## Deuteranomaly

82.5731, 88.0799, 106.4150



## Tritanomaly

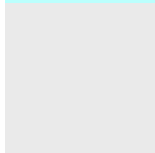
78.0596, 88.4624, 106.7267

# Monochromacy



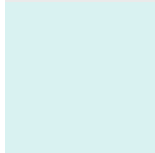
## Original Color

73.9831, 89.1766, 106.2420



## Achromatopsia

78.2058, 82.2786, 89.6014



## Achromatomaly

76.2446, 84.6068, 95.5313

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.9831, 89.1766, 106.2420 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(187, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 253)  
}
```

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(187, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 73.9831, 89.1766, 106.2420 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(187, 255, 253) }
```



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

```
.border{ border-color:rgb(187, 255, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 255, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 253);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.9831, 89.1766, 106.2420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 255, 253) }
```

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

```
.background{ background-color: rgb(187,  
255, 253) }
```

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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