

# Converting Colors

XYZ(77.0093, 90.7375,  
106.3471)

Have a look what the booklet for  
XYZ(77.0093, 90.7375, 106.3471)  
contains.

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# Color

**XYZ(77.0428, 90.7540,  
106.3852)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C7FFFD
RGB	199, 255, 253
RGB Percent	78%, 100%, 99%
CMY	0.2196, 0.0000, 0.0078
CMYK	0.22, 0.00, 0.01, 0.00
HSL	178°, 100%, 89%
HSV	178°, 22%, 100%
XYZ	77.0428, 90.7540, 106.3852
YIQ	238.0280, -32.7340, -12.4940

# Conversions

## Conversions Part 2

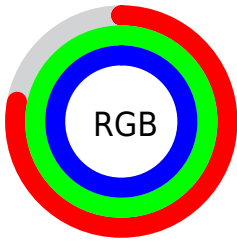
Format	Color
R <sub>Y</sub> B	199, 228, 255
Decimal	13107197
CIE Lab	96.31, -17.89, -4.82
CIE LCh	96, 18.532, 195.085
Yxy	90.7540, 0.2810, 0.3310
Android (android.graphics.Color)	4291297277 (0xFFC7FFFD)
YUV	238.0280, 7.3812, -34.2276
Hunter-Lab	95.2649, -22.3567, 0.4745

# Details

The XYZ color **77.0428, 90.7540, 106.3852** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.2068, 66.3252, 64.2552**, and the grayscale version is **81.2523, 85.4838, 93.0918**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6595, 50.3030, 59.7383** is the 20% darker color. If you saturate the color by 10%, you get **70.6902, 87.4957, 105.3344**, and if you desaturate by 10%, it is **84.5318, 94.5978, 107.4957**.

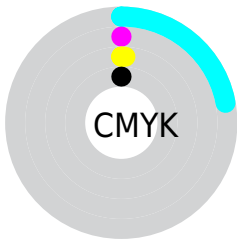
# Distribution



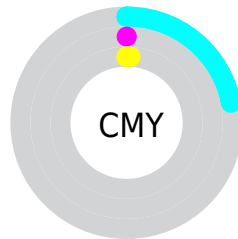
- Red (78%)
- Green (100%)
- Blue (99%)



- Red (78%)
- Yellow (89%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)



- Cyan (22%)
- Magenta (0%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.0428, 90.7540, 106.3852 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 77.0428, 90.7540, 106.3852 by changing the saturation by 10% instead.



77.0428, 90.7540,  
106.3852

77.0428, 90.7540,  
106.3852

473.7996,  
530.4805, 601.8966

57.5880, 68.6062,  
80.9972

128.1724,  
148.3853, 172.0327

41.7195, 50.3910,  
60.0083

160.5780,  
184.6375, 213.1293

29.0719, 35.7242,  
43.0000

198.0312,  
226.3601, 260.2992

19.2798, 24.2213,  
29.5537

240.8975,  
273.9373, 313.9609

11.9778, 15.4978,  
19.2509

289.5421,  
327.7535, 374.5329

6.8007, 9.1695,  
11.6731

344.3304,

3.3830, 4.8519,

388.1932, 442.4339

6.4017

405.6278,  
455.6408, 518.0822

■ 1.3594, 2.1606,  
3.0181

■ 0.2270, 0.6984,  
1.1039

■ 77.0428, 90.7540,  
106.3852

■ 77.0428, 90.7540,  
106.3852

■ 70.6902, 87.4957,  
105.3344

■ 84.5318, 94.5978,  
107.4957

■ 65.4145, 84.7927,  
104.3361

■ 93.2066, 99.0530,  
108.6639

■ 61.1554, 82.6136,  
103.3890

■ 95.0500, 100.0000,  
108.9000

■ 57.8455, 80.9237,  
102.4899

■ 55.4091, 79.6841,  
101.6353

■ 53.7591, 78.8498,  
100.8211

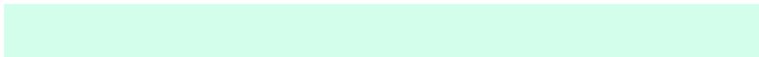
■ 52.7906, 78.3668,  
100.0423

■ 52.3793, 78.1677,  
99.4359

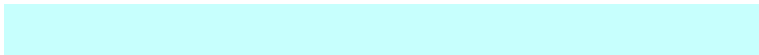
# Harmonies

## Analogous

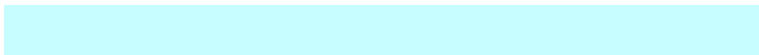
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.0357, 90.7540, 91.6916



77.0428, 90.7540, 106.3852



79.4516, 90.7540, 120.3002

# Triad

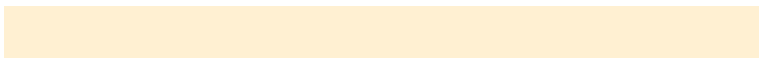
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.0428, 90.7540, 106.3852



93.4664, 90.7540, 120.2321



88.8340, 90.7540, 73.8567

# Complementary

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



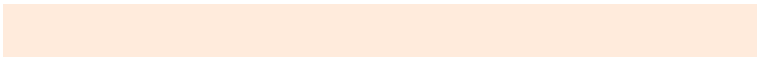
77.0428, 90.7540, 106.3852



72.2068, 66.3252, 64.2552

# 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.



93.4444, 90.7540, 80.0546



77.0428, 90.7540, 106.3852



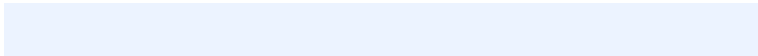
96.1905, 90.7540, 106.2995

# Square

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



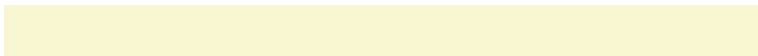
77.0428, 90.7540, 106.3852



88.8630, 90.7540, 128.8197



96.1823, 90.7540, 91.6140

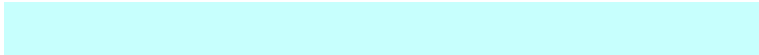


83.7063, 90.7540, 73.8747

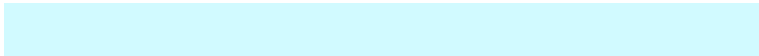


# Rectangle

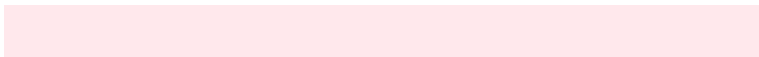
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



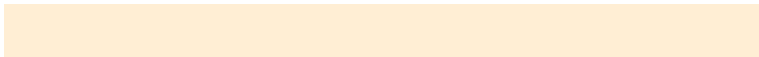
77.0428, 90.7540, 106.3852



82.1525, 90.7540, 126.8456



96.1823, 90.7540, 91.6140



90.5000, 90.7540, 75.2528

# Sweetspot

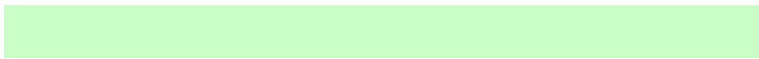
The Sweet Spot groups the original color and five complimentary colors.



77.0438, 90.7544, 106.3867



88.6828, 96.7294, 108.0676



70.3728, 88.1727, 67.3444



18.8702, 20.6468, 23.1158



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

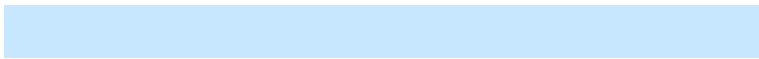
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.0438, 90.7544, 106.3867



74.3433, 89.3690, 105.9549



69.8454, 75.8455, 105.5661



18.5252, 20.4696, 23.0687



27.3818, 40.8493, 52.0231



2.6745, 3.9807, 5.1097



# Inverse Universe

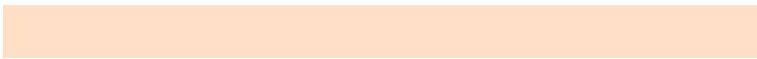
The Inverse Universe completely reimagines the original color for something new.



72.2068, 66.3252, 64.2552



68.7843, 61.2907, 57.5332



78.2589, 78.8033, 65.1203



18.0356, 17.9976, 18.8049



21.5862, 11.1238, 1.2054

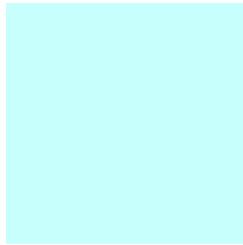


2.1106, 1.0866, 0.1638



# Previews

## White Background



This preview shows how the XYZ color 77.0428, 90.7540, 106.3852 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

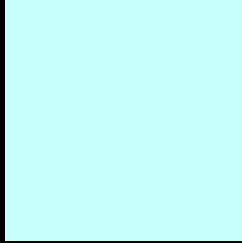
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.0428, 90.7540, 106.3852 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

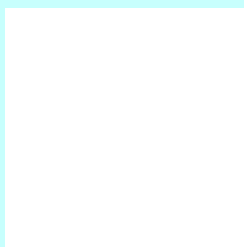
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 77.0428, 90.7540, 106.3852

## Background



This preview shows how black text looks on a background with the XYZ color 77.0428, 90.7540, 106.3852.



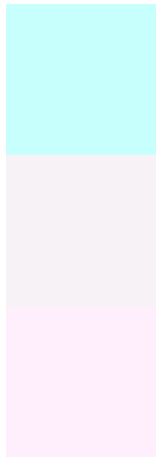
This preview shows how white text looks on a background with the XYZ color 77.0428, 90.7540,



# 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

77.0428, 90.7540, 106.3852

### Protanopia

86.7445, 89.9322, 99.9755

### Deuteranopia

89.6772, 90.0213, 104.7448



## Tritanopia

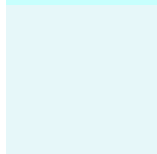
83.6239, 90.3995, 107.6491

# Trichromacy



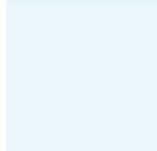
## Original Color

77.0428, 90.7540, 106.3852



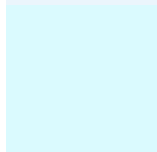
## Protanomaly

82.9928, 90.1841, 102.6556



## Deuteranomaly

84.4840, 89.9953, 105.0135



## Tritanomaly

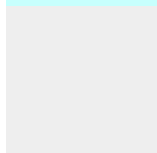
80.9884, 90.4324, 106.9526

# Monochromacy



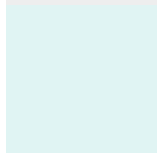
## Original Color

77.0428, 90.7540, 106.3852



## Achromatopsia

81.2670, 85.4993, 93.1087



## Achromatomaly

79.2688, 87.0197, 97.4126

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.0428, 90.7540, 106.3852 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(199, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(199, 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(199, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 77.0428, 90.7540, 106.3852 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".

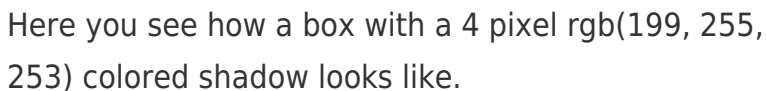
```
.border, #border, table{ border:4px solid rgb(199, 255, 253) }
```



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

```
.border{ border-color:rgb(199, 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(199, 255, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 255, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 255, 253); box-shadow:4px 4px 4px 4px rgb(199, 255, 253) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.0428, 90.7540, 106.3852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 255, 253) }
```

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

```
.background{ background-color: rgb(199,  
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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