

# Converting Colors

XYZ(77.2968, 88.7472,  
107.6637)

Have a look what the booklet for  
XYZ(77.2968, 88.7472, 107.6637)  
contains.

<b>XYZ(77.4490, 89.0517, 107.7144)</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(77.4490, 89.0517,  
107.7144)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCFBFF
RGB	204, 251, 255
RGB Percent	80%, 98%, 100%
CMY	0.2000, 0.0157, 0.0000
CMYK	0.20, 0.02, 0.00, 0.00
HSL	185°, 100%, 90%
HSV	185°, 20%, 100%
XYZ	77.4490, 89.0517, 107.7144
YIQ	237.4030, -29.2960, -8.7200

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	204, 228, 255
Decimal	13433855
CIELab	95.60, -14.03, -6.86
CIELCh	96, 15.619, 206.072
Yxy	89.0517, 0.2824, 0.3248
Android (android.graphics.Color)	4291623935 (0xFFCCFBFF)
YUV	237.4030, 8.6753, -29.2944
Hunter-Lab	94.3672, -18.6442, -1.6189

# Details

The XYZ color **77.4490, 89.0517, 107.7144** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.6947, 70.7304, 66.8440**, and the grayscale version is **80.7601, 84.9659, 92.5279**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8793, 49.0504, 60.6865** is the 20% darker color. If you saturate the color by 10%, you get **70.4036, 84.5005, 107.2073**, and if you desaturate by 10%, it is **85.6499, 94.2130, 108.2784**.

# Distribution



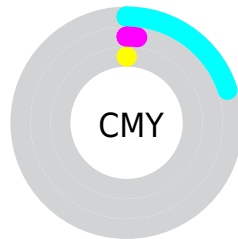
- Red (80%)
- Green (98%)
- Blue (100%)



- Red (80%)
- Yellow (89%)
- Blue (100%)



- Cyan (20%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.4490, 89.0517, 107.7144 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 77.4490, 89.0517, 107.7144 by changing the saturation by 10% instead.



77.4490, 89.0517,  
107.7144

77.4490, 89.0517,  
107.7144

475.1620,  
524.9412, 606.1093

57.9227, 67.1944,  
82.1059

128.7426,  
146.0205, 173.8628

41.9895, 49.2426,  
60.9165

161.2405,  
181.9007, 215.2399

29.2841, 34.8120,  
43.7277

198.7931,  
223.2241, 262.7101

19.4412, 23.5181,  
30.1209

241.7656,  
270.3749, 316.6922

12.0954, 14.9765,  
19.6775

290.5233,  
323.7377, 377.6046

6.8814, 8.8029,  
11.9791

345.4318,

3.4337, 4.6128,

383.6967, 445.8659

6.6071

406.8562,  
450.6364, 521.8946

■ 1.3870, 2.0220,  
3.1429

■ 0.2470, 0.6202,  
1.1681

■ 77.4490, 89.0517,  
107.7144

■ 77.4490, 89.0517,  
107.7144

■ 70.4036, 84.5005,  
107.2073

■ 85.6499, 94.2130,  
108.2784

■ 64.4511, 80.5201,  
106.7527

95.0500, 100.0000,  
108.9000

■ 59.5336, 77.0829,  
106.3485

■ 55.5848, 74.1548,  
105.9914

■ 52.5309, 71.6978,  
105.6781

■ 50.2875, 69.6682,  
105.4046

■ 48.7539, 68.0141,  
105.1662

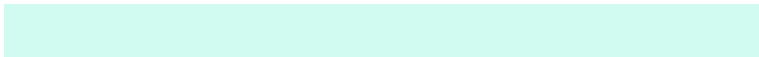
■ 47.7653, 66.6505,  
104.9551

■ 47.7652, 66.6504,  
104.9551

# Harmonies

## Analogous

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



76.6791, 89.0517, 95.3535



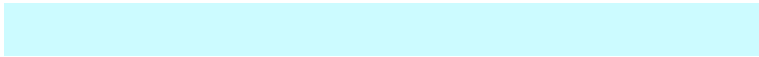
77.4490, 89.0517, 107.7144



80.1220, 89.0517, 117.9036

# Triad

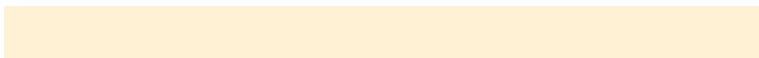
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.4490, 89.0517, 107.7144



91.6680, 89.0517, 110.7478



85.2071, 89.0517, 75.2613

# Complementary

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



77.4490, 89.0517, 107.7144



74.6947, 70.7304, 66.8440

# 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.



89.3268, 89.0517, 78.6599



77.4490, 89.0517, 107.7144



93.1357, 89.0517, 98.5888

# Square

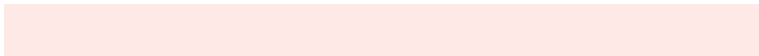
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.4490, 89.0517, 107.7144



88.3165, 89.0517, 119.7561



92.2649, 89.0517, 86.9504



81.0689, 89.0517, 77.2612

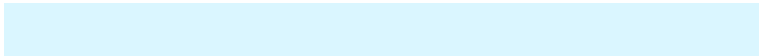


# Rectangle

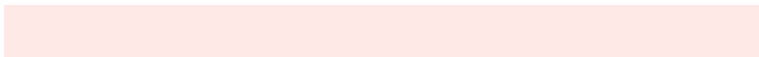
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.4490, 89.0517, 107.7144



82.6718, 89.0517, 121.7335



92.2649, 89.0517, 86.9504



86.6411, 89.0517, 75.8021

# Sweetspot

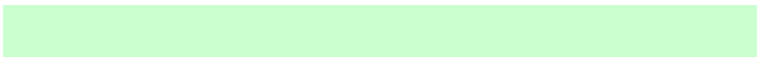
The Sweet Spot groups the original color and five complimentary colors.



77.4513, 89.0552, 107.7150



89.2622, 96.4505, 108.5199



71.9744, 88.8825, 72.6524



18.9767, 20.5647, 23.2191



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

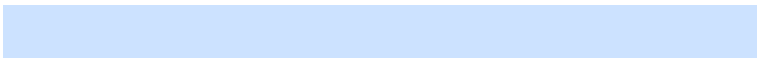
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.4513, 89.0552, 107.7150



74.4964, 87.1620, 107.5053



70.1766, 74.5057, 105.2901



18.4259, 20.2235, 23.1823



25.0094, 34.9285, 54.8583



2.4698, 3.4702, 5.3529



# Inverse Universe

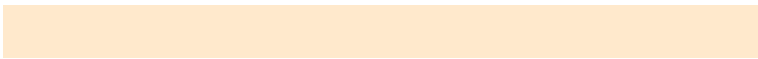
The Inverse Universe completely reimagines the original color for something new.



80.2469, 71.4124, 100.8254



77.7749, 66.6696, 99.3811



81.2504, 83.8417, 69.0292



18.7276, 18.2744, 22.4489



29.4118, 14.2540, 42.4146



2.8812, 1.3949, 4.2219



# Previews

## White Background



This preview shows how the XYZ color 77.4490, 89.0517, 107.7144 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

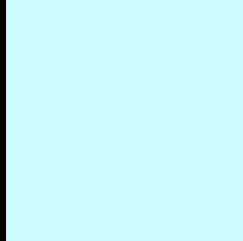
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.4490, 89.0517, 107.7144 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

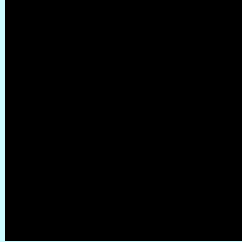
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

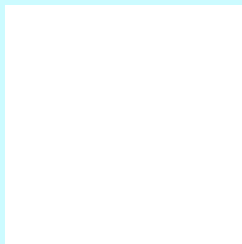
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 77.4490, 89.0517, 107.7144

## Background



This preview shows how black text looks on a background with the XYZ color 77.4490, 89.0517, 107.7144.



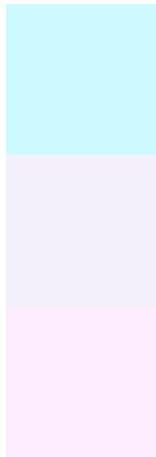
This preview shows how white text looks on a background with the XYZ color 77.4490, 89.0517,

107.7144.

# 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

77.4490, 89.0517, 107.7144

### Protanopia

85.5672, 88.3928, 102.1742

### Deuteranopia

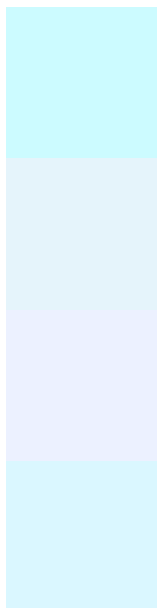
88.9185, 88.2817, 106.9613



## Tritanopia

82.0664, 88.6936, 107.4019

# Trichromacy



## Original Color

77.4490, 89.0517, 107.7144

## Protanomaly

82.0764, 88.3244, 103.9892

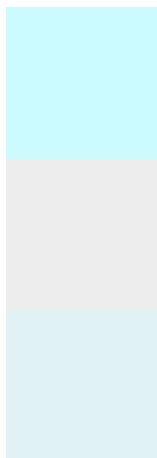
## Deuteranomaly

84.0974, 87.9635, 107.1540

## Tritanomaly

80.2242, 88.6470, 107.4900

# Monochromacy



## Original Color

77.4490, 89.0517, 107.7144

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

79.1326, 86.0435, 98.0253

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.4490, 89.0517, 107.7144 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(204, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 251, 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(204, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 251, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 77.4490, 89.0517, 107.7144 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(204, 251, 255) }
```



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

```
.border{ border-color:rgb(204, 251, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 251,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.4490, 89.0517, 107.7144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 251, 255) }
```

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

```
.background{ background-color: rgb(204,  
251, 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