

# Converting Colors

XYZ(77.5895, 79.2963,  
105.8240)

Have a look what the booklet for  
XYZ(77.5895, 79.2963, 105.8240)  
contains.

<b>XYZ(77.4720, 79.0377, 105.7803)</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(77.4720, 79.0377,  
105.7803)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3E4FF
RGB	227, 228, 255
RGB Percent	89%, 89%, 100%
CMY	0.1098, 0.1059, 0.0000
CMYK	0.11, 0.11, 0.00, 0.00
HSL	238°, 100%, 95%
HSV	238°, 11%, 100%
XYZ	77.4720, 79.0377, 105.7803
YIQ	230.7790, -9.2630, 8.1850

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	227, 228, 255
Decimal	14935295
CIE Lab	91.25, 4.77, -13.17
CIE LCh	91, 14.003, 289.912
Yxy	79.0377, 0.2954, 0.3013
Android (android.graphics.Color)	4293125375 (0xFFE3E4FF)
YUV	230.7790, 11.9410, -3.3142
Hunter-Lab	88.9031, -0.0320, -8.3133

# Details

The XYZ color **77.4720, 79.0377, 105.7803** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **90.5464, 97.6881, 86.7582**, and the grayscale version is **75.7122, 79.6552, 86.7445**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1499, 42.7350, 59.4532** is the 20% darker color. If you saturate the color by 10%, you get **63.7276, 62.6170, 103.3352**, and if you desaturate by 10%, it is **93.3736, 98.0025, 108.6028**.

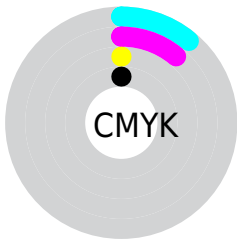
# Distribution



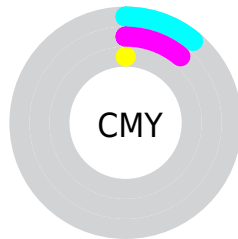
- Red (89%)
- Green (89%)
- Blue (100%)



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



- Cyan (11%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (11%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.4720, 79.0377, 105.7803 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 77.4720, 79.0377, 105.7803 by changing the saturation by 10% instead.



■ 77.4720, 79.0377,  
105.7803

■ 77.4720, 79.0377,  
105.7803

475.2391,  
491.6839, 599.9744

■ 57.9416, 58.9268,  
80.4929

128.7749,  
132.0119, 171.1991

■ 42.0048, 42.5542,  
59.5955

161.2780,  
165.6441, 212.1676

■ 29.2962, 29.5355,  
42.6695

198.8362,  
204.5521, 259.2003

■ 19.4504, 19.4863,  
29.2964

241.8147,  
249.1203, 312.7156

■ 12.1021, 12.0222,  
19.0577

290.5789,  
299.7332, 373.1321

■ 6.8859, 6.7588,  
11.5347

345.4941,

■ 3.4366, 3.3117,

356.7752, 440.8684

6.3090

406.9257,  
420.6306, 516.3430

■ 1.3886, 1.2966,  
2.9621

■ 0.2481, 0.1385,  
1.0753

■ 77.4720, 79.0377,  
105.7803

■ 77.4720, 79.0377,  
105.7803

■ 63.7276, 62.6170,  
103.3352

■ 93.3736, 98.0025,  
108.6028

■ 52.0414, 48.6232,  
101.2501

■ 95.0500, 100.0000,  
108.9000

■ 42.3164, 36.9440,  
99.5083

■ 34.4451, 27.4547,  
98.0916

■ 28.3095, 20.0188,  
96.9797

■ 23.7785, 14.4845,  
96.1503

■ 20.7020, 10.6791,  
95.5779

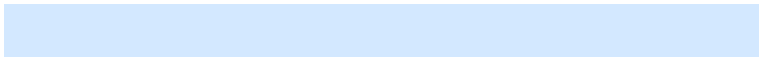
■ 18.9016, 8.3985,  
95.2326

■ 18.1491, 7.4183,  
95.0830

# Harmonies

## Analogous

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



73.9336, 79.0377, 106.7778



77.4720, 79.0377, 105.7803



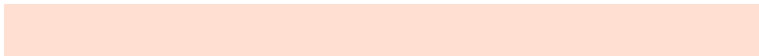
80.4676, 79.0377, 99.2724

# Triad

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



77.4720, 79.0377, 105.7803



79.6053, 79.0377, 71.9510



68.6004, 79.0377, 82.6794

# Complementary

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



77.4720, 79.0377, 105.7803



90.5464, 97.6881, 86.7582

# 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.



70.0204, 79.0377, 74.0727



77.4720, 79.0377, 105.7803



76.3250, 79.0377, 68.2096

# Square

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



77.4720, 79.0377, 105.7803



81.7259, 79.0377, 79.5703



72.8219, 79.0377, 68.9545



68.8856, 79.0377, 92.8904



# Rectangle

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



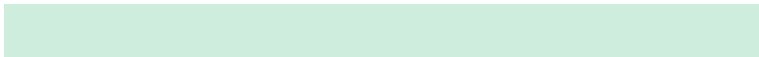
77.4720, 79.0377, 105.7803



81.7183, 79.0377, 92.9497



72.8219, 79.0377, 68.9545



68.8924, 79.0377, 79.5169

# Sweetspot

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



77.4741, 79.0409, 105.7808



89.9832, 93.9617, 108.0015



85.2647, 94.9814, 107.2699



18.9775, 19.7748, 23.0666



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.



77.4741, 79.0409, 105.7808



74.5259, 75.5212, 105.2569



81.3197, 80.6150, 105.8820



17.0552, 17.4819, 22.7254



9.5059, 3.9213, 49.6905



0.9431, 0.4169, 4.8440

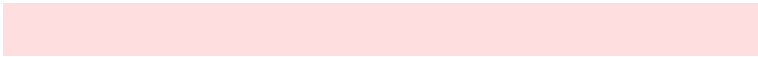


# Inverse Universe

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



82.7140, 81.8012, 84.8322



80.6458, 78.7526, 80.7887



86.3812, 96.0145, 86.6547



18.0357, 17.9976, 18.8054



21.5863, 11.1238, 1.2061

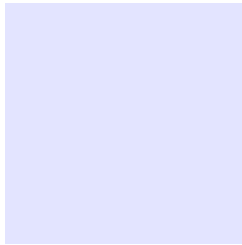


2.1106, 1.0866, 0.1641



# Previews

## White Background



This preview shows how the XYZ color 77.4720, 79.0377, 105.7803 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

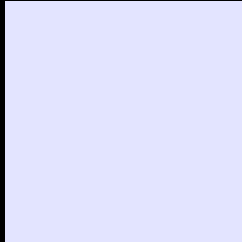
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.4720, 79.0377, 105.7803 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

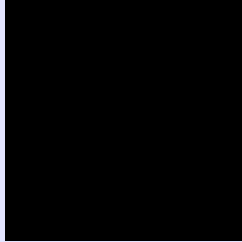
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 77.4720, 79.0377, 105.7803

## Background



This preview shows how black text looks on a background with the XYZ color 77.4720, 79.0377, 105.7803.



This preview shows how white text looks on a background with the XYZ color 77.4720, 79.0377,



# 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

77.4720, 79.0377, 105.7803

### Protanopia

77.1574, 78.8756, 105.7656

### Deuteranopia

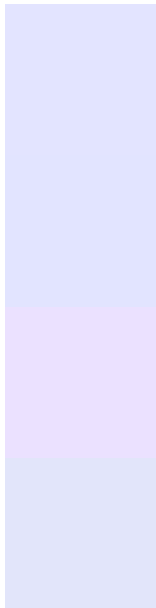
80.6408, 79.0566, 105.6170



## Tritanopia

76.1718, 78.9228, 99.2146

# Trichromacy



## Original Color

77.4720, 79.0377, 105.7803

## Protanomaly

77.1574, 78.8756, 105.7656

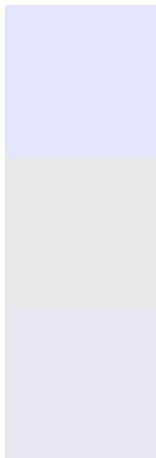
## Deuteranomaly

79.2362, 78.7326, 105.6285

## Tritanomaly

76.6387, 79.1095, 101.6728

# Monochromacy



## Original Color

77.4720, 79.0377, 105.7803

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

76.6581, 79.7079, 93.7829

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.4720, 79.0377, 105.7803 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(227, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 228, 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(227, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 228, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 77.4720, 79.0377, 105.7803 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(227, 228, 255) }
```



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

```
.border{ border-color:rgb(227, 228, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 228,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.4720, 79.0377, 105.7803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 228, 255) }
```

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

```
.background{ background-color: rgb(227,  
228, 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