

# Converting Colors

XYZ(73.8056, 77.1298,  
105.6053)

Have a look what the booklet for  
XYZ(73.8056, 77.1298, 105.6053)  
contains.

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# Color

**XYZ(73.8177, 77.1539,  
105.6093)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7E4FF
RGB	215, 228, 255
RGB Percent	84%, 89%, 100%
CMY	0.1569, 0.1059, 0.0000
CMYK	0.16, 0.11, 0.00, 0.00
HSL	220°, 100%, 92%
HSV	220°, 16%, 100%
XYZ	73.8177, 77.1539, 105.6093
YIQ	227.1910, -16.4150, 5.6410

# Conversions

## Conversions Part 2

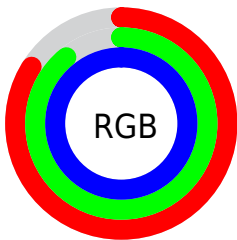
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	215, 225, 255
Decimal	14148863
CIE Lab	90.39, 1.01, -14.54
CIE LCh	90, 14.575, 273.971
Yxy	77.1539, 0.2877, 0.3007
Android (android.graphics.Color)	4292338943 (0xFFD7E4FF)
YUV	227.1910, 13.7098, -10.6915
Hunter-Lab	87.8373, -3.7054, -9.8000

# Details

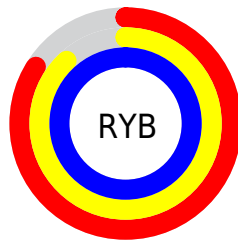
The XYZ color **73.8177, 77.1539, 105.6093** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **85.2573, 89.6690, 77.1058**, and the grayscale version is **73.0663, 76.8715, 83.7130**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.6338, 41.4379, 59.3355** is the 20% darker color. If you saturate the color by 10%, you get **62.4044, 64.5898, 103.7858**, and if you desaturate by 10%, it is **86.8735, 91.2685, 107.6456**.

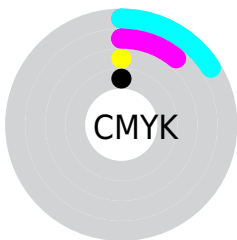
# Distribution



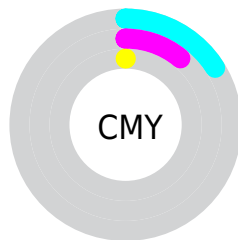
- Red (84%)
- Green (89%)
- Blue (100%)



- Red (84%)
- Yellow (88%)
- Blue (100%)



- Cyan (16%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (11%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.8177, 77.1539, 105.6093 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 73.8177, 77.1539, 105.6093 by changing the saturation by 10% instead.



■ 73.8177, 77.1539,  
105.6093

■ 73.8177, 77.1539,  
105.6093

462.9040,  
485.2886, 599.4304

■ 54.9356, 57.3792,  
80.3504

123.6342,  
129.3567, 170.9634

■ 39.5838, 41.3098,  
59.4789

155.2994,  
162.5536, 211.8956

■ 27.3970, 28.5612,  
42.5762

191.9563,  
200.9933, 258.8894

■ 18.0097, 18.7491,  
29.2238

233.9702,  
245.0603, 312.3633

■ 11.0567, 11.4891,  
19.0031

281.7066,  
295.1389, 372.7358

■ 6.1725, 6.3969,  
11.4957

335.5308,

■ 2.9919, 3.0879,

351.6136, 440.4255

6.2830

395.8081,  
414.8687, 515.8508

■ 1.1495, 1.1778,  
2.9463

■ 0.0659, 0.0434,  
1.0673

■ 73.8177, 77.1539,  
105.6093

■ 73.8177, 77.1539,  
105.6093

■ 62.4044, 64.5898,  
103.7858

■ 86.8735, 91.2685,  
107.6456

■ 52.5598, 53.5116,  
102.1663

95.0500, 100.0000,  
108.9000

■ 44.2134, 43.8639,  
100.7440

■ 37.2867, 35.5836,  
99.5108

■ 31.6937, 28.6027,  
98.4582

■ 27.3379, 22.8466,  
97.5767

■ 24.1087, 18.2311,  
96.8560

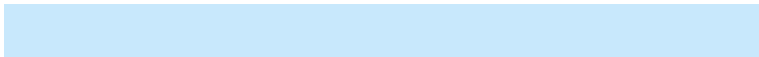
■ 21.8715, 14.6581,  
96.2843

■ 21.1354, 13.3908,  
96.0785

# Harmonies

## Analogous

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



70.3067, 77.1539, 103.3162



73.8177, 77.1539, 105.6093



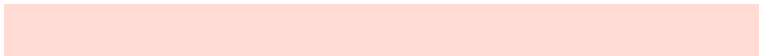
77.3092, 77.1539, 101.7327

# Triad

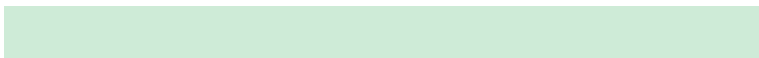
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.8177, 77.1539, 105.6093



79.2853, 77.1539, 73.3078



67.2274, 77.1539, 75.5229

# Complementary

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



73.8177, 77.1539, 105.6093



85.2573, 89.6690, 77.1058

# 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.



69.4945, 77.1539, 68.4709



73.8177, 77.1539, 105.6093



76.4438, 77.1539, 67.2681

# Square

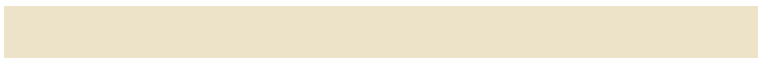
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.8177, 77.1539, 105.6093



80.5312, 77.1539, 82.6285



72.8494, 77.1539, 65.5725



66.5761, 77.1539, 85.4017



# Rectangle

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



73.8177, 77.1539, 105.6093



79.1336, 77.1539, 96.3450



72.8494, 77.1539, 65.5725



67.8220, 77.1539, 72.7709

# Sweetspot

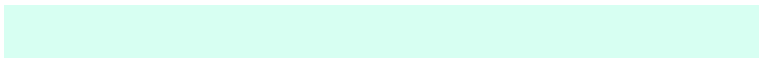
The Sweet Spot groups the original color and five complimentary colors.



73.8198, 77.1570, 105.6098



87.8298, 92.2935, 107.7930



79.7621, 92.3583, 97.3658



18.5894, 19.5297, 23.0398



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.



73.8198, 77.1570, 105.6098



69.8577, 72.8230, 104.9821



72.3738, 71.2993, 104.5554



17.4852, 18.3419, 22.8687



11.1636, 7.2367, 50.2430



1.1814, 0.8936, 4.9235



# Inverse Universe

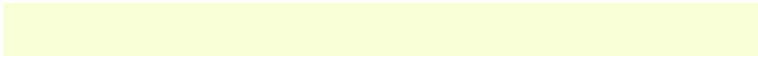
The Inverse Universe completely reimagines the original color for something new.



79.5453, 75.4638, 83.7759



76.6691, 70.9580, 78.9740



86.8559, 96.4439, 78.3293



18.2528, 18.0844, 19.9483



22.4230, 11.4585, 5.6122

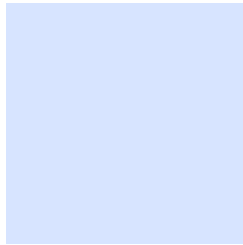


2.2309, 1.1348, 0.7976



# Previews

## White Background



This preview shows how the XYZ color 73.8177, 77.1539, 105.6093 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

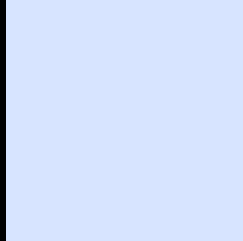
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.8177, 77.1539, 105.6093 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

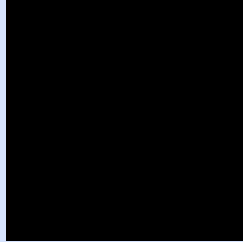
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 73.8177, 77.1539, 105.6093

## Background



This preview shows how black text looks on a background with the XYZ color 73.8177, 77.1539, 105.6093.



This preview shows how white text looks on a background with the XYZ color 73.8177, 77.1539,



# 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

73.8177, 77.1539, 105.6093

### Protanopia

75.6664, 77.3319, 103.8670

### Deuteranopia

78.4322, 77.1247, 105.3605



## Tritanopia

72.5394, 77.0502, 99.0446

# Trichromacy



## Original Color

73.8177, 77.1539, 105.6093

## Protanomaly

75.1773, 77.4661, 104.7561

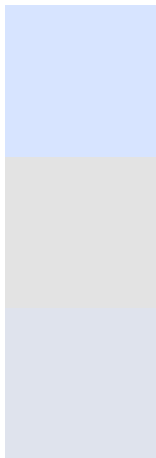
## Deuteranomaly

76.7006, 77.0253, 105.4326

## Tritanomaly

73.0062, 77.2369, 101.5029

# Monochromacy



## Original Color

73.8177, 77.1539, 105.6093

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

73.1866, 76.7406, 91.0758

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.8177, 77.1539, 105.6093 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(215, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 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(215, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 228, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 73.8177, 77.1539, 105.6093 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(215, 228, 255) }
```



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

```
.border{ border-color:rgb(215, 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(215, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(215, 228,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.8177, 77.1539, 105.6093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 228, 255) }
```

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

```
.background{ background-color: rgb(215,  
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](#).

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