

# Converting Colors

XYZ(77.7093, 79.5443,  
104.4377)

Have a look what the booklet for  
XYZ(77.7093, 79.5443, 104.4377)  
contains.

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# Color

**XYZ(77.7438, 79.6245,  
104.2000)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4E5FD
RGB	228, 229, 253
RGB Percent	89%, 90%, 99%
CMY	0.1059, 0.1019, 0.0078
CMYK	0.10, 0.09, 0.00, 0.01
HSL	238°, 86%, 94%
HSV	238°, 10%, 99%
XYZ	77.7438, 79.6245, 104.2000
YIQ	231.4370, -8.3000, 7.2520

# Conversions

## Conversions Part 2

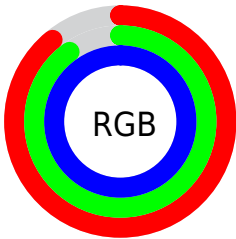
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	228, 229, 253
Decimal	15001085
CIE Lab	91.52, 4.17, -11.72
CIE LCh	92, 12.439, 289.604
Yxy	79.6245, 0.2972, 0.3044
Android (android.graphics.Color)	4293191165 (0xFFE4E5FD)
YUV	231.4370, 10.6306, -3.0142
Hunter-Lab	89.2326, -0.6390, -6.7722

# Details

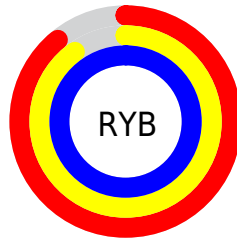
The XYZ color **77.7438, 79.6245, 104.2000** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.3221, 96.1039, 87.2423**, and the grayscale version is **76.2108, 80.1797, 87.3157**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1131, 43.0283, 58.3102** is the 20% darker color. If you saturate the color by 10%, you get **64.0419, 63.2758, 101.7678**, and if you desaturate by 10%, it is **93.5648, 98.4651, 107.0040**.

# Distribution



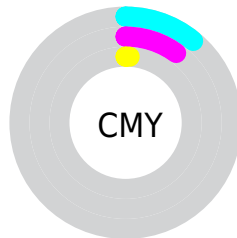
- Red (89%)
- Green (90%)
- Blue (99%)



- Red (89%)
- Yellow (90%)
- Blue (99%)



- Cyan (10%)
- Magenta (9%)
- Yellow (0%)
- Black (1%)



- Cyan (11%)
- Magenta (10%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.7438, 79.6245, 104.2000 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 77.7438, 79.6245, 104.2000 by changing the saturation by 10% instead.



■ 77.7438, 79.6245,  
104.2000

■ 77.7438, 79.6245,  
104.2000

476.1494,  
493.6665, 594.9373

■ 58.1656, 59.4094,  
79.1764

129.1562,  
132.8377, 169.0191

■ 42.1856, 42.9428,  
58.5187

161.7211,  
166.6045, 209.6517

■ 29.4384, 29.8402,  
41.8083

199.3455,  
205.6574, 256.3243

■ 19.5586, 19.7173,  
28.6268

242.3950,  
250.3808, 309.4555

■ 12.1810, 12.1897,  
18.5555

291.2347,  
301.1590, 369.4639

■ 6.9402, 6.8730,  
11.1760

346.2302,

■ 3.4707, 3.3828,

358.3764, 436.7679

6.0697

407.7466,  
422.4174, 511.7862

■ 1.4073, 1.3347,  
2.8180

■ 0.2614, 0.1678,  
1.0025

■ 77.7438, 79.6245,  
104.2000

■ 77.7438, 79.6245,  
104.2000

■ 64.0419, 63.2758,  
101.7678

■ 93.5648, 98.4651,  
107.0040

■ 52.3624, 49.3053,  
99.6868

94.7299, 99.8719,  
107.2141

■ 42.6117, 37.6051,  
97.9423

■ 34.6860, 28.0553,  
96.5168

■ 28.4716, 20.5250,  
95.3908

■ 23.8425, 14.8689,  
94.5431

■ 20.6548, 10.9225,  
93.9493

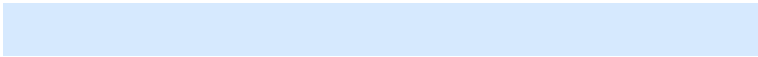
■ 18.7388, 8.4925,  
93.5813

■ 17.8470, 7.3207,  
93.4021

# Harmonies

## Analogous

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



74.5863, 79.6245, 105.0219



77.7438, 79.6245, 104.2000



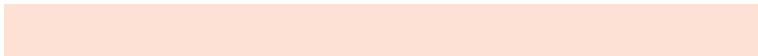
80.4173, 79.6245, 98.5073

# Triad

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



77.7438, 79.6245, 104.2000



79.6992, 79.6245, 74.0734



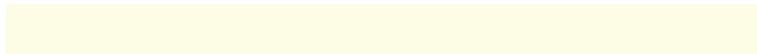
69.8435, 79.6245, 83.5861

# Complementary

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



77.7438, 79.6245, 104.2000



89.3221, 96.1039, 87.2423

# Split Complementary

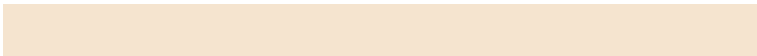
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.1338, 79.6245, 75.8716



77.7438, 79.6245, 104.2000



76.7857, 79.6245, 70.6392

# Square

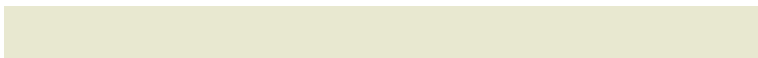
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.7438, 79.6245, 104.2000



81.5679, 79.6245, 80.9727



73.6544, 79.6245, 71.2737



70.0838, 79.6245, 92.6860



# Rectangle

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



77.7438, 79.6245, 104.2000



81.5376, 79.6245, 92.9234



73.6544, 79.6245, 71.2737



70.1112, 79.6245, 80.7562

# Sweetspot

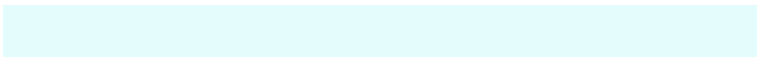
The Sweet Spot groups the original color and five complimentary colors.



77.7462, 79.6278, 104.2018



89.9934, 93.9820, 108.0049



84.6526, 93.7583, 105.5246



18.9803, 19.7803, 23.0676



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.



77.7462, 79.6278, 104.2018



76.0100, 77.3221, 105.5262



81.1554, 80.9743, 104.2820



17.0615, 17.4946, 22.7275



9.5148, 3.9393, 49.6935



0.9461, 0.4229, 4.8450

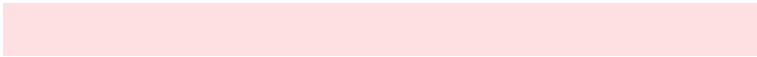


# Inverse Universe

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



82.3961, 82.0282, 85.6230



81.6798, 80.2572, 82.8706



85.6623, 94.6863, 87.1615



18.0389, 17.9989, 18.8221



21.5909, 11.1256, 1.2300

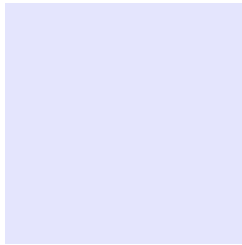


2.1122, 1.0872, 0.1720



# Previews

## White Background



This preview shows how the XYZ color 77.7438, 79.6245, 104.2000 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

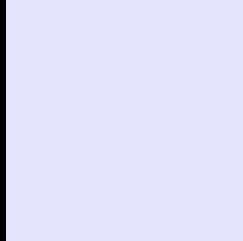
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.7438, 79.6245, 104.2000 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

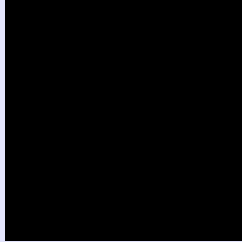
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 77.7438, 79.6245, 104.2000

## Background



This preview shows how black text looks on a background with the XYZ color 77.7438, 79.6245, 104.2000.



This preview shows how white text looks on a background with the XYZ color 77.7438, 79.6245,



# 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

77.7438, 79.6245, 104.2000

### Protanopia

77.7438, 79.6245, 104.2000

### Deuteranopia

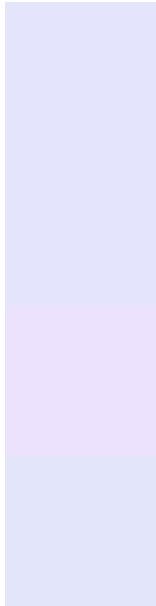
81.1630, 79.3443, 104.8032



## Tritanopia

76.9186, 79.7018, 100.1369

# Trichromacy



## Original Color

77.7438, 79.6245, 104.2000

## Protanomaly

77.7438, 79.6245, 104.2000

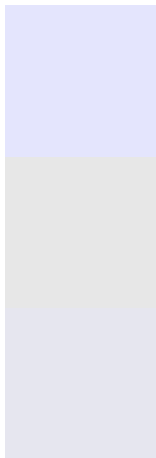
## Deuteranomaly

80.0108, 79.5530, 104.9042

## Tritanomaly

77.2307, 79.8266, 101.7801

# Monochromacy



## Original Color

77.7438, 79.6245, 104.2000

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

76.5099, 79.6486, 93.0026

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.7438, 79.6245, 104.2000 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(228, 229, 253)` looks like.

```
.text, #text, p{  
    color:rgb(228, 229, 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(228, 229, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 229, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 77.7438, 79.6245, 104.2000 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(228, 229, 253) }
```



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

```
.border{ border-color:rgb(228, 229, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 229, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 229, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 229, 253);  
box-shadow:4px 4px 4px 4px rgb(228, 229,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.7438, 79.6245, 104.2000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 229, 253) }
```

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

```
.background{ background-color: rgb(228,  
229, 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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